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ANNUAL REPORT
OF THE
Department of Lands and Forests
OF THE
PROVINCE OF ALBERTA
FOR THE
FISCAL YEAR ENDED MARCH 31st
1963



EDMONTON:
PRINTED BY L. S. WALL, QUEEN'S PRINTER

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TO THE HONOURABLE J. PERCY PAGE,
Lieutenant-Governor of the Province of Alberta.

SIR:

I have the honour to submit the Report of the
Department of Lands and Forests for the fiscal year
ended March 31st, 1963.

I have the honour, to be, Sir,

Your obedient servant,
NORMAN WILLMORE,
Minister of Lands and Forests.

Edmonton, October 15th, 1963.

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CHIEF OFFICERS
DEPARTMENT OF LANDS AND FORESTS

Hon. Norman Willmore	Minister of Lands & Forests
H. G. Jensen	Deputy Minister of Lands & Forests
W. L. Nisbet	Departmental Solicitor
V. A. Wood	Director of Lands
E. S. Huestis	Director of Forestry
R. D. Loomis	Supt. of Forest Management
T. R. Hammer	Supt. of Forest Protection
R. G. Steele	Supt. of Forest Surveys
E. P. Shaver	Provincial Parks Commissioner
C. R. Harvie	Provincial Parks Planner
Curt P. Smith	Director of Fish and Wildlife
W. C. Hales	Fish & Wildlife Administrator
M. J. Paetz	Chief Fishery Biologist
G. J. Mitchell	Chief Wildlife Biologist
T. A. Drinkwater	Director, Technical Division
A. McCallum	Administrative Accountant
H. E. Bennett	Asst. Administrative Accountant
C. B. Kenway	Registrar
W. H. MacDonald	Publicity Officer
R. J. Clark	Personnel Officer
Miss M. Garrick	Stationery and Supplies

EASTERN ROCKIES FOREST CONSERVATION BOARD

J. R. H. Hall	Chairman
A. T. Baker	Member

REPORT
OF THE
Department of Lands and Forests
1962 - 1963

HONOURABLE NORMAN WILLMORE,
Minister of Lands and Forests,
Edmonton, Alberta.

SIR:

I have the honour to submit the annual report of the Department of Lands and Forests for the fiscal year ending March 31st, 1963.

Respectfully submitted,

H. G. JENSEN,
Deputy Minister.

Edmonton, October 15th, 1963.

PUBLIC AND SCHOOL LANDS ADMINISTRATION

Report of the Director of Lands

V. A. WOOD

Approximately 700 people appeared at the public land office in Edmonton and the various sub-agency offices on June 11, 1962, to apply for former school lands which were advertised as available on that date for Homestead Leases, Homestead Sales and other forms of disposition under The Public Lands Act.

There was a considerable increase over the past few years in public interest in acquiring Crown land. This is indicated by the increase in applications for Homestead Leases and Sales which was 2,583 as compared to 1,371 for the previous fiscal year.

The increased activity in public land necessitated an increase in staff and also required extra effort and overtime work by the regular staff members. The assistance and co-operation of all members of the Lands Division staff was sincerely appreciated.

HOMESTEAD LEASES AND HOMESTEAD SALES:

The increased interest in homesteading which commenced in 1961 continued throughout the fiscal year ending March 31, 1963 and as yet shows no signs of slackening.

The fact that former school lands were made available for homesteading June 11, 1962, resulted in the acceptance of approximately 275 homestead applications in two days in the various public land offices.

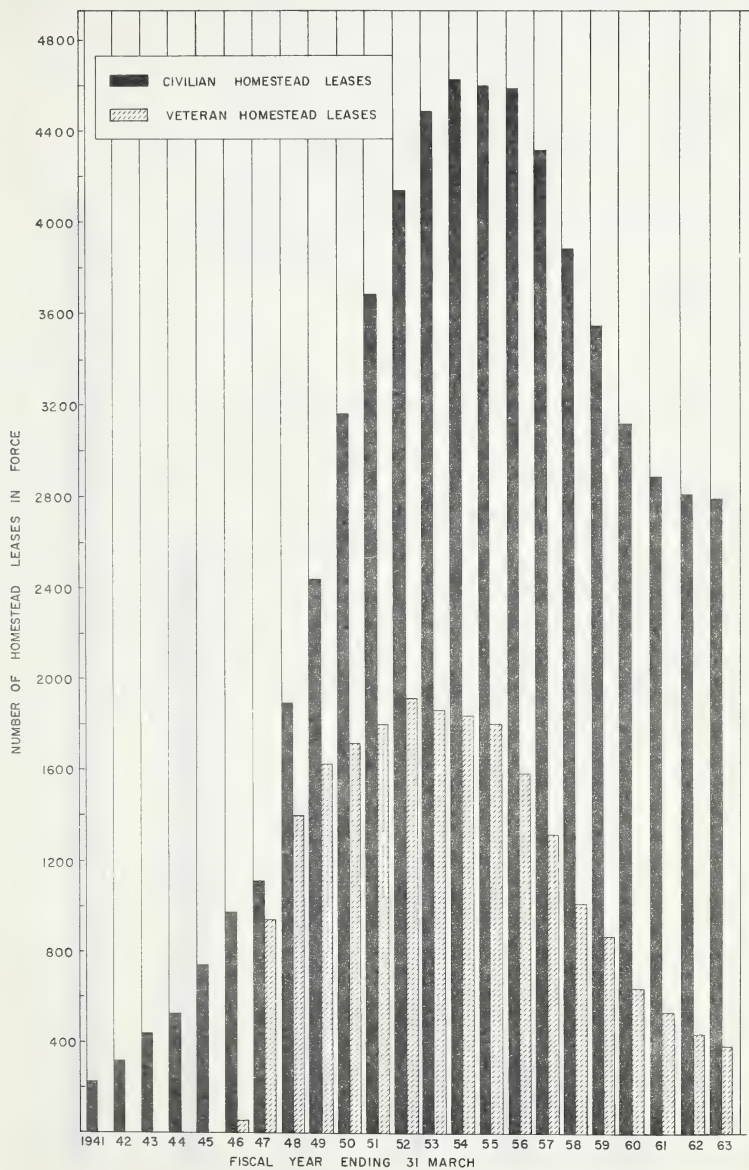
Legislation was enacted during the 1963 session of the legislature to provide that the holder of a Homestead Sale would have to become primarily occupied as a farmer before being able to obtain title to the land. This legislation was brought into effect in order to avoid some of the speculative nature of homesteading which had become increasingly apparent during the summer and fall of 1962.

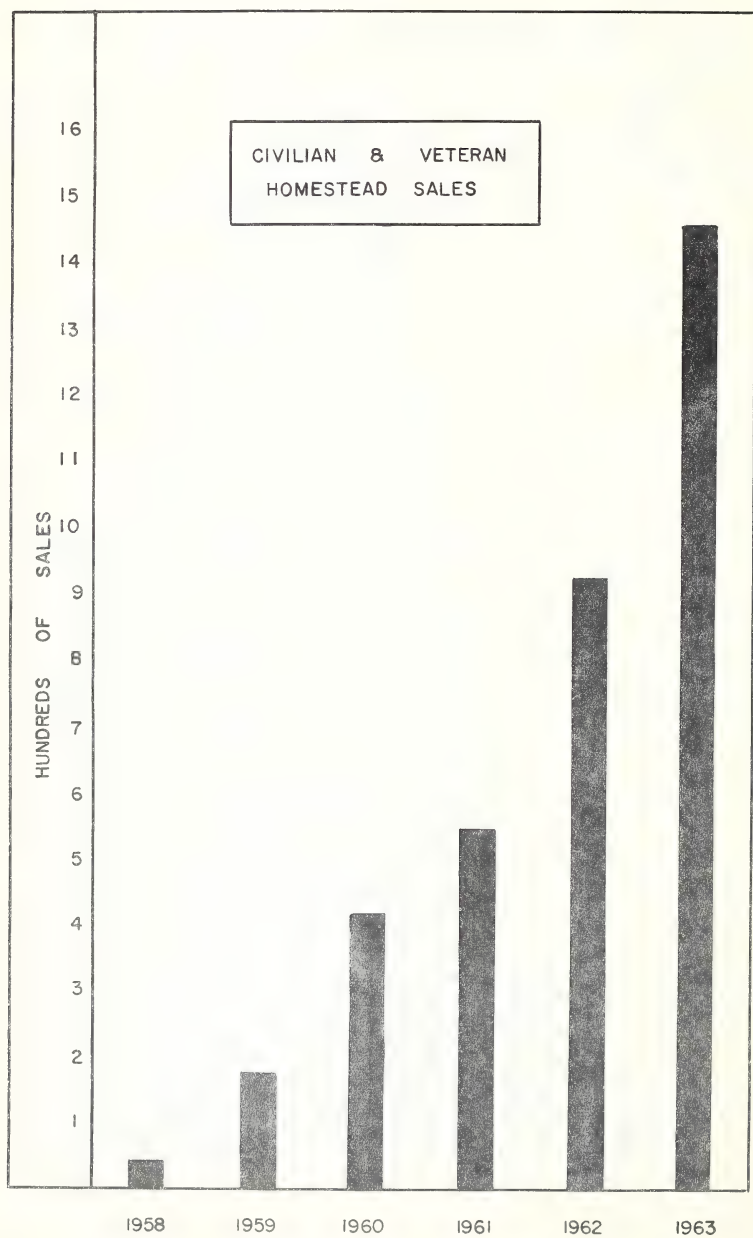
Applications received during the fiscal year were divided almost equally between Homestead Leases and Homestead Sales.

In January, 1963, the department adopted a policy permitting issuance of Homestead Leases and Homestead Sales, regardless of the cost of clearing and breaking, provided the land applied for had been found otherwise suitable for farming.

Township 104, ranges 16 and 17, west 5th meridian, were surveyed in 1962 to prepare for settlement along the highway between Keg River and La Crete and it is expected these townships will be made available for homestead application in the fall of 1963.

The survey of at least four additional townships in the Valleyview and High Level districts has been placed on the survey agenda for completion in 1963.





SALES AND CULTIVATION LEASES

During the year 116 parcels were offered for sale by auction of which 112 were sold. The highest price per acre received was \$112.00 at the sale at Rimbey on March 19, 1963. The average price per acre received at auction sales was \$43.74.

During the fiscal year there were 978 applications for Agricultural Farm Sales of which 729 were accepted.

A total of 146 Cultivation Permits were issued during the fiscal year, mainly on a cash rental basis, covering both cultivation and grazing privileges.

The following indicates the moneys collected during the year from public and tax recovery land sales:

New Sales	Principal	Interest
Agricultural Farm Sales	\$ 60,841.95	\$ 75.06
Sales (exclusive of A.F.S.)	150,495.20	580.27

The total collections made during the year, excluding Agricultural Farm Sales, were as follows:

Principal - \$614,020.69	Interest - \$64,681.28
--------------------------	------------------------

The principal and interest collections from new sales are included in the total collections shown.

The total amount paid out by the department on account of taxes, under The Crown Cultivation Leases Act, was \$138,646.32.

The total assessed value of land under Cultivation Lease, exclusive of clearing project areas, amounted to \$2,086,964.00.

SPECIAL LAND USE

An extension to the established subdivision of Waiparous, comprising 44 lots, was advertised during the fiscal year and the lots were disposed of at a draw held in the City of Calgary. Approximately 500 people appeared at the draw. No other new subdivisions were opened although numerous lots in established subdivisions, which became available because of cancellation or for any other cause, were advertised.

There is a keen demand for summer cottage lots in the Calgary area and consequently a fairly thorough investigation was made of various sites. On two of the most promising sites investigations, preliminary to survey, are being carried out.

A fair number of lake reports were received last year but this work has slowed down considerably due to the fact that the inspectors have a large volume of reports to make in connection with agricultural land use.

Miscellaneous Permits issued between April 1, 1962 and March 31, 1963 - 978

Sand and Gravel Permits issued between April 1, 1962 and March 31, 1963 - 78

GRAZING

In 1960 the Province was divided into three districts, south, central and north and the percentage of the forage value to be used in calculating the rental and taxes in each area was based on a sliding scale. In 1962, after further consideration, the percentage of the forage value was fixed by Order-in-Council as follows:

PERCENTAGE OF FORAGE VALUE
PAYABLE AS RENTAL AND TAXES

20% for the south "A" district
16 2/3% for the central "B" district
12 1/2% for the north "C" district

The average price of beef for the six month period of 1962 was 23.14¢ per lb. as compared to 19.56¢ per lb. for the same period in 1961. The combined rental and tax charges for 1963 have been set for each district as follows:

RENTAL PER ACRE FOR 1963

Carrying Capacity	South District	Central District	North District
Zone	"A" - 20%	"B" - 16 2/3%	"C" - 12 1/2%
24	48 1/4¢	40 1/4¢	30 1/4¢
32	36 1/4¢	30 1/4¢	22 1/2¢
40	29¢	24¢	18¢
50	23 1/4¢	19 1/4¢	14 1/2¢
60	19 1/4¢	16¢	12¢

Grazing rentals on a head tax basis for 1963 on Provincial Grazing Reserves were set out as follows:

Twin River Grazing Reserve	\$2.00 per month, per animal unit
Pinhorn Grazing Reserve	\$2.00 per month, per animal unit
Rannach Grazing Reserve	\$1.80 per month, per animal unit
Wanham Grazing Reserve	\$1.80 per month, per animal unit
Minburn Grazing Reserve	\$1.80 per month, per animal unit
Purple Springs Grazing Reserve	\$3.00 per month, per animal unit
Seven Persons Grazing Reserve	\$3.00 per month, per animal unit

Where no caretaker or facilities are provided by the department, grazing rental on a headtax basis was set out as follows for 1963:

Grazing District "A" (south)	95¢ per month, per animal unit
Grazing District "A" (central)	80¢ per month, per animal unit
Grazing District "C" (north)	60¢ per month, per animal unit

There were 61 Grazing Associations and grazing co-operative leases and seven Provincial Grazing Reserves in operation as well as a number of applications for long term grazing leases by Associations in the process of being formed.

The following is a summary of community pastures operated by Associations and Co-operatives and Provincial Grazing Reserves.

Name of Grazing Association or Co-operative		Area in Acres
1. Barnwell Grazing Association	Barnwell	3,159 acres
2. Bear Canyon Grazing Association	Cherry Point	1,316 "
3. Big 4 Lease Association	Armada	3,035 "
4. Blackfoot Grazing Association	Tofield	24,591 "
5. Bluefield Grazing Association	Thelma	11,726 "
6. Boundary Creek Association	Cardston	636 "
7. Howell West Grazing Association	Howell	8,008 "
8. Bow Island - Forty Mile Grazing Association	Burdett	28,970 "
9. B. T. Grazing Co-operative	Hilda	26,235 "
10. Burkes Lake Stockman's Association	Tully Lake	3,512 "
11. Castle River Stock Association	Beaver Mines	6,159 "
12. Chauvin District Grazing Association	Chauvin	1,113 "
13. Clear Hills Grazing Association	Smoky Lake	5,721 "
14. Clear River Grazing Association	Bear Canyon	3,491 "
15. Comrey Grazing Association	Comrey	29,953 "
16. Companion's Society Limited	Peace River	7,492 "
17. Cresthill Farmer's Community Cattle Grazing Lease Association	Ribstone	14,432 "
18. Deimuth Lease Association	Turin	1,743 "
19. Drowning Ford Grazing Association	Medicine Hat	33,069 "
20. Dunn Lake Cattle Association	Edgerton	3,595 "
21. Eastern Irrigation District	Brooks	4,979 "
22. East Peoria Smoky Grazing Association	Belloy	4,037 "
23. Elk Island Grazing Association	Whitelaw	1,936 "
24. Fincastle Grazing Association	Taber	1,281 "
25. Fir Grove Stock Association	Bellevue	4,343 "
26. Four Mile Creek Stock Improvements Association	Eaglesham	10,116 "
27. Frog Lake Cattle Association	Heinsburg	9,653 "
28. Garnier Lake Grazing Association	Lindbergh	7,937 "
29. Green Prairie Grazing Group	Milo	2,875 "
30. Hays Stock Grazing Association	Hays	15,462 "
31. Island Lake Grazing Association	Smoky Lake	5,775 "
32. Jumping Pound Stock Association	Calgary	12,765 "
33. Keg River Community Livestock Improvement Association	Keg River	980 "
34. Lakes Grazing Association	Czar	1,906 "
35. Lekenwa Cliff Grazing Association	Sunset House	1,598 "
36. Little Bow Grazing Association	Champion	4,349 "
37. Little Smoky Grazing Association	Culp	10,762 "
38. Lomond Grazing Association	Lomond	81,849 "
39. Long Valley Grazing Association	Whitelaw	4,350 "
40. Lucky Lake Grazing Association	Smoky Lake	5,595 "
41. Many Island Lake Grazing Association	Pashley	17,565 "
42. Milk River Co-op Grazing Association	Milk River	12,643 "
43. Nemiscam Community Pasture Organization #1	Nemiscam	4,780 "
44. Nemiscam Community Pasture Organization #2	Nemiscam	33,991 "
45. North Eaglesham Grazing Association	Eaglesham	2,889 "

Name of Grazing Association or Co-operative (Cont'd)		Area in Acres
46. North Group Cattle Association	Marwayne	0,571 acres
47. Old Frontier Grazing Association	Marwayne	9,926 "
48. Oregon Creek Grazing Association	Worsley	5,201 "
49. Peace River Grazing Association	Clayhurst	8,380 "
50. Pipeline Grazing Association	Redcliff	23,260 "
51. Poll Haven Community Pasture	Mountain View	10,462 "
52. Rocky Coulee Grazing Association	Bowell	4,432 "
53. Ross Lake Community Pasture Association	Owendale	4,473 "
54. Silver Valley Grazing Association	Bear Canyon	2,958 "
55. South Cow Creek Grazing Association	Strachan	2,239 "
56. Spruce Ranching Co-operative Limited	Parkland	19,138 "
57. Stirling Pasture Company Limited	Stirling	747 "
58. Tide Lake Grazing Association	Jenner	15,991 "
59. Tulliby Lake Stockman's Association	Marwayne	16,749 "
60. West Blueberry Cattleman's Association	Blueberry Mtn.	1,920 "
61. Writing on Stone Grazing Co-operative	Milk River	15,390 "



NEW COMMUNITY PASTURE CORRAL

PROVINCIAL GRAZING RESERVES

Name	Area	No. of Patrons	No. of cattle grazed
Pinhorn - (near Etzikom)	66,137	136	1,549
Purple Springs (Irrigated)	1,890	83	654
Rannach (near Two Hills)	12,372	66	1,210
Minburn	13,527.44	75	1,489
Seven Persons (Irrigated)	3,605	36	379
Wanham	15,242	100	2,022
Twin River	24,242	61	1,370

VAUXHALL COMMUNITY PASTURE AND RESERVE AREA

The area of the Vauxhall Community Pasture and area reserved for annual allotment was approximately 100,000 acres during 1962 with 39 3/4 miles of 2, 3 and 4 wire fencing belonging to the department. The area was utilized during 1962, partly by the Vauxhall Grazing Association and partly by the Hays Grazing Association. On lands surrounding the area utilized by the Vauxhall and Hays Grazing Associations within the reserve area, allotments were made to individuals during 1962 on the same basis as that followed in previous years.

BUFFALO PARK GRAZING ASSOCIATION

The Buffalo Park Grazing Association and the South Park Grazing Association operating at Wainwright and Hardisty respectively, made use of grazing facilities on the military camp area at Wainwright and Crown and Municipal land adjoining such military camp area during 1962. The associations involved obtained grazing privileges amounting to 14,046 cow months and 41 horse months during 1962. The arrangement for obtaining grazing privileges on this area is in accordance with an agreement between the Department of National Defence, the Buffalo Park Grazing Association, the South Park Grazing Association and the Department of Lands and Forests.

Rentals collected for grazing privileges obtained and hay cut on the military area is applied as a credit to the National Defence rental account with this department.

INSPECTIONS

Effective April 1st of the fiscal year under review the field staff section of the Lands Division was reorganized with the appointment of a Public Lands Appraising Co-ordinator and an Assistant Co-ordinator. The Co-ordinators were responsible for giving instructions to newly hired Appraisers, checking inspection requests and reports, conducting special inspections and co-ordinating the work of the members of the office staff and the field staff. When time permitted general inspections were completed.

During the winter months a detailed study of market trends in land values was carried out and land value guides were published for the assistance of the Land Appraisers. The Co-ordinators were assisted in this project by members of the permanent field staff.

The general field work was carried out by five District Supervisors (Public Land Appraisers II), ten Public Land Appraisers I and two part-time Land Appraisers.

The number of inspections completed, which includes a number of lake inventory inspections, is set out hereunder. An abnormally large number of land applications and a very wet season experienced in the northern part of the Province resulted in a sizable carryover of land applications into the 1963 season.

GENERAL	No.
Requests outstanding at April 1, 1962	1,844
Requests called during fiscal year	3,120
Reports received during fiscal year	2,900
Requests outstanding at March 31, 1963	1,984

SOIL SURVEY

Requests outstanding at April 1, 1962	678
Requests called during fiscal year	4,382
Reports received during fiscal year	3,452
Requests outstanding at March 31, 1963	1,608

COLLECTIONS

Reports received	425
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LAND CLASSIFICATION - LAND USE SPECIALIST - SOILS

The season's work was made up mainly of aerial photography interpretation in regard to lands in the green area, where there were special requests and field inspections of lands that showed potential for future settlement.

Exploratory inspections were made in the following areas:

Township 72, Range 25, West 4th Meridian
 Townships 71 and 72, Range 26, West 5th Meridian
 Township 56, Range 12, West 5th Meridian
 Townships 53 & 54, Ranges 15 & 16, West 5th Meridian
 Township 65, Range 21, West 5th Meridian
 Township 77, Ranges 16 & 17, West 5th Meridian
 Township 109, Range 19, West 5th Meridian, and
 Township 110, Ranges 15 to 19, West 5th Meridian

The above lands were under request to be transferred from green to yellow area.

Inspections were made in connection with land exchanges and proposed land exchanges:

Township 39, Range 6, West 5th Meridian
 Townships 37 & 38, Ranges 7, 8 & 9, West 5th Meridian
 Townships 39 & 40, Range 8, West 5th Meridian

Some revision was made in connection with the green and yellow area boundary and some of the yellow area was transferred to white.

Extreme wet weather throughout most of the summer made bush trails practically impassable.

Exploratory inspections were made in regard to grazing or community pasture areas in Township 84, Ranges 8 and 9, West 5th Meridian and in Township 85, Range 11, West 6th Meridian.

REPORT OF THE CHIEF GRAZING APPRAISER

The demand for grazing land continued throughout the Province at an accelerated rate from 1961.

Since all available Crown lands in the southern portions of the Province are fully occupied, attention was given by grazing lease applicants to lands in the northern portion of the Province and to lands at present within the Forest Reserve boundaries. The latter are subject to inspection by a Lands Branch Inspector and the local Forest Officer, so that there will be no conflict in policy between the two branches of the Department.

Drought conditions were very severe in the southern portions of the Province in 1962 and consideration was given to granting a reduction in rental to those who reduced the number of head of livestock grazed on the land held under grazing lease on a pro rata basis. A considerable number of grazing lessees took advantage of the concession.

During the late summer of 1962 the Chief Grazing Appraiser with two representatives of the Department of Municipal Affairs, spent a period of six weeks inspecting grazing leases in the Special Areas, with regard to a possible revision of grazing capacity where applicable.

Prior to this a period of training was given to a group of Forest Officers from various areas of northern Alberta at Rocky Mountain House in the identification of forage plants and the estimation of grazing capacity.

STATISTICS - PUBLIC LANDS

April 1, 1962 to March 31, 1963

HOMESTEAD LEASES - CIVILIAN

	No.	Area
Leases in force at April 1, 1962	2,805	699,787.84
Leases issued during fiscal year	451	119,890.42
Leases patented during fiscal year	240	59,836.59
Leases cancelled during fiscal year	230	59,963.65
Leases in force at March 31, 1963	2,786	699,878.02
Leases not executed	20	

HOMESTEAD LEASES - VETERAN

Leases in force at April 1, 1962	444	122,772.00
Leases issued during fiscal year	50	14,524.27
Leases patented during fiscal year	75	21,550.34
Leases cancelled during fiscal year	30	8,005.77
Leases in force at March 31, 1963	389	107,740.16
Leases not executed	1	

HOMESTEAD SALES - CIVILIAN

Sales in force at April 1, 1962	876	216,652.37
Sales granted during fiscal year	581	153,282.07
Sales patented during fiscal year	37	9,107.80
Sales cancelled during fiscal year	25	6,298.40
Sales in force at March 31, 1963	1,395	354,528.24

HOMESTEAD SALES - VETERAN

Sales in force at April 1, 1962	51	13,321.02
Sales granted during fiscal year	24	6,376.25
Sales patented during fiscal year	2	634.83
Sales cancelled during fiscal year	1	162.14
Sales in force at March 31, 1963	72	18,900.30

HOMESTEAD LOANS

Loan contracts in force at April 1, 1962	1,098
Loan contracts issued during fiscal year	107
Loan contracts cancelled during fiscal year	10
Loan contracts paid in full during fiscal year	86
Loan contracts in force at March 31, 1963	1,109

HOMESTEAD LOAN SALES

Sales in force at April 1, 1962	45	12,942.25
Sales granted during fiscal year	57	15,850.57
Sales patented during fiscal year	17	5,109.29
Sales cancelled during fiscal year	1	320.
Sales in force at March 31, 1963	84	23,363.53

CLEARING PROJECT LEASES AND SALES at March 31, 1963	No.	Area
Civilian Homesteads	1	320.
Veteran Homesteads	11	3,219.
Total	12	3,539.
Crop share	4	1,278.
Cultivation	5	1,612.
Purchase Agreements	102	32,667.66

The above leases and sales are included in other reports.

CROP SHARE LEASES - CLEARING PROJECT

Leases in force at April 1, 1962	4	1,275.95
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1963	4	1,275.95

PURCHASE AGREEMENTS - CLEARING PROJECT

Sales in force at April 1, 1962	118	37,765.14
Sales granted during fiscal year	1	322.
Sales patented during fiscal year	16	5,102.48
Sales cancelled during fiscal year	1	317.
Sales in force at March 31, 1963	102	32,667.66

PUBLIC LANDS SALES *

Sales in force at April 1, 1962	2,003	295,969.52
Sales granted during fiscal year	142	11,932.66
Sales patented during fiscal year	466	57,682.81
Sales cancelled during fiscal year	14	2,124.62
Sales in force at March 31, 1963	1,665	248,094.75

AGRICULTURAL AND TREE FARM SALES

Sales in force at April 1, 1962	0	0
Sales granted during fiscal year	259	47,086.68
Sales patented during fiscal year	0	0
Sales cancelled during fiscal year	1	167.63
Sales in force at March 31, 1963	258	46,919.05

ACCRUED AREA LEASES

Leases in force at April 1, 1962	411	25,814.20
Leases issued during fiscal year	0 (amend- ment)	361.
Leases cancelled during fiscal year	59	3,100.14
Leases in force at March 31, 1963	352	23,075.06

CULTIVATION LEASES *

Leases in force at April 1, 1962	1,377	262,417.33
Leases issued during fiscal year	117	21,494.47
Leases cancelled during fiscal year	280	52,343.44
Leases in force at March 31, 1963	1,214	231,568.36

* Includes former School Land Sales.

* Includes former School Land Cultivation Leases.

EASEMENTS	No.	Area
Leases in force at April 1, 1962	1,194	
Leases issued during fiscal year	155	
Leases cancelled during fiscal year	18	
Leases in force at March 31, 1963	1,331	
LICENCES OF OCCUPATION		
Licences in force at April 1, 1962	678	
Licences issued during fiscal year	66	
Licences cancelled during fiscal year	78	
Licences in force at March 31, 1963	666	
MINERAL SURFACE LEASES		
Leases in force at April 1, 1962	717	74,425.63
Leases issued during fiscal year	361	3,146.47
Leases cancelled during fiscal year	77	492.87
Leases in force at March 31, 1963	1,001	77,079.23
MISCELLANEOUS LEASES *		
Leases in force at April 1, 1962	853	31,924.17
Leases issued during fiscal year	147	3,410.62
Leases cancelled during fiscal year	96	1,892.72
Leases in force at March 31, 1963	904	33,442.07
*Includes 439 lot leases - no area given.		
PIPE LINE AGREEMENTS		
Leases in force at April 1, 1962	766	5,976.25
Leases issued during fiscal year	238	2,829.05
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1963	1,004	8,805.30
PIPE LINE INSTALLATIONS		
Leases in force at April 1, 1962	22	98.62
Leases issued during fiscal year	12	61.33
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1963	34	159.95
RIGHTS OF ENTRY		
Rights of Entry at April 1, 1962	5,724	
Applications received during fiscal year	212	
Rights of Entry cancelled during fiscal year	116	
Rights of Entry granted during fiscal year	195	
Applications pending at March 31, 1963	40	
Rights of Entry at March 31, 1963	5,803	
SEED CROP LEASES		
Leases in force at April 1, 1962	3	16,349.60
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1963	3	16,349.60

*Includes former School Land Miscellaneous Leases.

SAND AND GRAVEL LEASES		No.	Area
Leases in force at April 1, 1962		327	
Leases issued during fiscal year		44	
Leases renewed during fiscal year		29	
Leases cancelled during fiscal year		61	
Leases in force at March 31, 1963		310	
QUARRYING LEASES			
Leases in force at April 1, 1962		5	
Leases issued during fiscal year		0	
Leases cancelled during fiscal year		0	
Leases in force at March 31, 1963		5	
TOWNSITE LEASES			
Leases in force at April 1, 1962	3		363.65
Leases issued during fiscal year	1		32.
Leases cancelled during fiscal year	0		0
Leases in force at March 31, 1963	4		395.65
GRAZING LEASES			
Leases in force at April 1, 1962	3,543		3,727,309.46
Leases issued during fiscal year	216		147,194.44
Area added by amendment			38,967.76
Leases cancelled during fiscal year	99		66,512.45
Area deleted by amendment			30,433.75
Leases renewed during fiscal year	92		141,150.99
Leases in force at March 31, 1963	3,660		3,816,525.46
Leases not executed	25		
GRAZING PERMITS			
Edmonton	981		171,343.77
Calgary	895		210,887.81
Peace River	484		137,260.80
Grande Prairie	203		50,922.28
Total	2,563		570,414.66
HAY PERMITS			
No. of Permits issued	556		.
No. of tons cut	8,790	1/2	
ROAD ALLOWANCE LEASES			
Leases in force at April 1, 1962	1,750		72,386.07
Leases issued during fiscal year	137		2,664.74
Leases cancelled during fiscal year	72		1,801.02
Leases in force at March 31, 1963	1,815		73,249.79
TRANSFER OF ADMINISTRATION AND CONTROL TO			
	Parcels		
Department of Municipal Affairs	48		7,177.22
Government of Canada, etc.	10		993.68

AUCTION SALES	Listed	Sold
Public Lands	116	112
Highest Price per Acre		\$112.00
Average Price per Acre		\$43.74

Assignments Registered (Leases, Permits and Sales) 552.

APPLICATIONS

Nature of Applications	Received	Cancelled
Homestead Leases	1,112	285
Cultivation	309	70
Purchase	59	22
Miscellaneous	208	53
Licence of Occupation	179	51
Easement	175	15
Sand and Gravel	110	18
Homestead Loans	172	75
Homestead Sales	1,371	274
Mineral Surface	543	68
Crop Share	0	0
Seed Crop	1	0
Townsite	0	0
Rights of Entry	212	7
Pipe Line Agreements	272	8
Pipe Line Installations	2	0
Grazing - New	728	217
Grazing - Renewal	213	1
Road Allowance	184	17
Agricultural Farm Sales	729	175
Total	<u>6,579</u>	<u>1,356</u>

FORESTRY

Report of the Director of Forestry

E. S. HUESTIS

The 1962 fire season was a welcome relief from that of 1961. Action was taken on 278 fires compared with 811 in the year previous. The total acreage burned over amounted to 4,506 acres as compared to 193,545 acres in 1961. The percentage of lightning fires, 37.8 was again significant and a matter of concern. In 1961 the percentage was 41.8.

The wet weather which sponsored a quiet fire season retarded the construction program. However road construction in isolated areas for fire access purposes was continued as shown later in this report. In addition, the road maintenance was stepped up.

Construction on the scenic Forestry Trunk Road from Coleman to Goodwin continued with all new sections being completed with the exception of some areas which must be brought up to standard.

The program of supplying accommodation to forest officers in the districts in which they are working was continued. Out of a total of sixty buildings constructed this year, eleven are ranger houses.

The transfer of forestry's radio communications system to Alberta Government Telephones was effected by April 1, 1962. Technicians and equipment now come under the jurisdiction of Alberta Government Telephones while the operating staff remains under the supervision of this Service. During the period of transition many details of the changeover were worked out co-operatively between the two agencies. The primary purpose of the transfer is to achieve a high degree of technical efficiency in radio communication, so vital to firefighting operations and aircraft movements. It is felt that Alberta Government Telephones is better equipped to handle this work.

During the year under review a VHF communication system was installed in the Whitecourt Division.

The Forestry Training School at Hinton continued its training courses for Forest Officers, Fish and Wildlife Officers, Lookout Men and others. For the first time training was given to twenty-six members of the general public selected by forestry personnel as key firefighters. After their training these men became certificated "Fire Bosses." In addition a refresher course was initiated for rangers who had attended earlier forestry courses.

The Junior Forest Warden movement with headquarters at Hinton continued to expand with a ten day camp being held for twenty-seven senior members at the Forestry Training School and Entrance Provincial Park. A group of twenty-six younger boys also spent a week at the camp.

The Forest Surveys Branch continues to serve the needs of other branches of the Alberta Forest Service and the public. Maps produced are of high caliber and are much in demand.

The sale of timber for lumber and other products continues to present some problems. Each year more operators are required to submit annual operating plans for approval before commencing operations.

The market for lumber recovered to some extent during the year and the rate of dues was increased from \$4.15 to \$4.60 per thousand F.B.M.

The method of calculation and collection of timber dues in Alberta has been reviewed in recent years. To simplify the whole procedure the forest service has introduced the tree scale method of determining wood volume in selected timber stands, as a basis for dues assessment. The application of tree scale to existing timber berths is being closely scrutinized.

Reforestation continues, with scarification, seeding and tree planting on a larger scale than in previous years.

One hundred timber licences were offered and sold by auction during the year. They contained over 500 million F.B.M. of timber.

The amount of grazing on forested areas is increasing each year. Careful surveys are being made to establish carrying capacities. Many areas are being reviewed after a few years of use.

There is increased interest in the commercial use of land in forest areas. The oil and gas industry continues to expand in these regions.

FOREST PROTECTION

WEATHER

Weather played a big role in the past fire season. Due to heavy snowfall during the winter the fire hazard during the early spring was generally low in most areas. The spring weather was cool and moist resulting in a moderate hazard. The summer weather was generally cool, with numerous lightning storms, resulting in a medium hazard for most areas. An open fall and a warm period in late November did not create any appreciable increase in fire incidence.

FIRE SUPPRESSION

Suppressive action was taken on 278 fires. Of these fires, 208 (74.8%) originated in the forest zone and 70 (25.2%) in the settlement zone. A total of 4,506 acres were burned over, consisting of 3,120 acres of forested land, 1,107 acres of non-forested land and 279 acres of private land.

FIRE CAUSES

Principal causes are detailed in the accompanying tables.

FIRE DETECTION

Expansion of the fire detection system continued bringing the total of towers and lookouts to 113. A total of 26,400 miles were flown by aircraft on fire patrol.

Listed below are the number of fires reported by the different agencies, indicating an increase in the number of fires reported by the public and railway employees:

Forest Officers	Towers	Public	Railway	Aircraft
44	103	91	6	34
Percentage:				
15.8%	37.1%	32.7%	2.2%	12.2%

A total of 29 prosecutions were cited and 29 convictions obtained by the Forest Service under The Forests Act.

AIRCRAFT

Development of the aerial section of forest fire control continued in an orderly manner. The assured fleet consisted of: two Department owned 47J2 Bell helicopters, two Department owned Helio Couriers, two 47J2 and two 47J Bell helicopters on seasonal lease, three Beavers on seasonal lease, also two Stearman fire bombing aircraft and a Piper Tri-pacer aircraft.

Of the 278 fires experienced, 91 utilized aircraft. This represents 32.7%, an increase of 3.7% in aircraft usage on fires over the year 1961. During the fire season aircraft hauled 746,000 pounds of freight and equipment and 4,647 passengers.

Tower openings and closings serviced by aircraft numbered 84; 17 by fixed-wing aircraft and 67 by helicopter.

A total of nine mercy flights were made, involving approximately sixteen hours flying.

FIRE SUPPRESSION

During the fire season 1962, a total of 278 fires were dealt with as shown below in classes:

- 198 Class "A" or small fires (1/4 of an acre or less)
- 57 Class "B" fires (over 1/4 up to 10 acres)
- 18 Class "C" fires (over 10 acres up to 100 acres)
- 3 Class "D" fires (over 100 acres up to 500 acres)
- 2 Class "E" fires (over 500 acres)

CONSTRUCTION AND MAINTENANCE

ROADS

During the year 1962 approximately \$800,000 was spent on the construction of new roads throughout the forested area of the province. Fifty per cent of the cost was paid by the Provincial government and 50 per cent by the Federal government under terms of the Federal-Provincial Access Road Agreement.

The following work was accomplished:

New road grade	110.83 miles
New right-of-way clearing	1,271 acres
Widening of old right-of-way	328 acres
Total length of new bridges	722 feet

Extremely wet weather during the construction season increased cost in proportion to accomplishment.

All new sections of the 600 mile Forestry Trunk Road grade between Nordegg and Goodwin were completed during the year. On this road during the past three years The Alberta Forest Service has constructed 151 miles of road with a 24' top and 3.5' grade with 10' scraper ditches. All forestry portions of the road have been gravelled. Pre-cast concrete bridges were constructed on first class roads while light steel bridges obtained from the Department of Highways, and native timber bridges were used on the second and third class roads. There are still some sections of the road that are substandard.

Road maintenance was increased. Nineteen graders worked steadily during the construction season shaping and maintaining forestry roads. Crushed gravel was replaced on one hundred miles of forestry road.

BUILDINGS

The construction of new buildings for The Forest Service continued as a major program in the year under review. Helicopters were used in four inaccessible areas to ferry building material to new building sites. The following projects were completed during the year:

- 11 Ranger houses and cottages, 24' x 40'
- 8 Fire towers and lookouts
- 6 Tower cabins, 20' x 24'
- 6 Garages, 22' x 24'
- 6 Tool caches, 16' x 24'
- 2 Garage Storehouses
- 3 Campshelters
- 4 Stop-Over cabins
- 10 Engine houses
- 4 Miscellaneous Buildings, fuel shed,
receiver shed and two trailers.

Total 60

DEPARTMENT OF LANDS AND FORESTS

COMPARISON OF FIRE CAUSES BY PERCENTAGES
FOR THE YEARS 1951 TO 1962 INCLUSIVE

CAUSE	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Campers	16.7	25.0	40.0	36.5	14.7	14.4	17.8	23.1	20.9	23.0	13.1	18.0
Smokers	23.8	9.4	10.0	11.8	9.9	12.0	9.5	13.8	12.2	11.8	9.0	4.0
Settlers	19.0	12.5	10.7	17.6	21.9	24.0	16.7	17.0	13.2	12.0	9.4	6.1
Railways	10.7	17.7	11.4	3.5	6.0	1.2	1.6	5.6	2.6	2.5	0.2	3.6
Lightning	8.3	3.1	5.0	5.9	15.1	17.8	18.3	17.5	23.0	22.2	41.8	37.8
Industrial	6.0	7.8	2.9	7.1	6.0	5.0	12.8	6.0	5.3	9.1	7.5	14.7
Incendiary	8.3	12.0	12.9	1.2	13.8	12.0	14.4	10.3	15.3	12.2	10.5	6.8
Public Projects			.7	4.7	1.8	1.9	2.2	1.5	2.6	1.9	2.2	2.5
Unclassified	6.0	4.2	2.2	2.3	3.5	4.7	1.1	1.5	1.5	2.8	1.9	2.2
Unknown	1.2	8.3	4.2	9.4	7.3	7.0	5.6	3.7	3.4	2.5	4.4	4.3

COMPARISON OF FIRE LOSSES AND CAUSES BY PERCENTAGES
FOR THE YEAR 1962

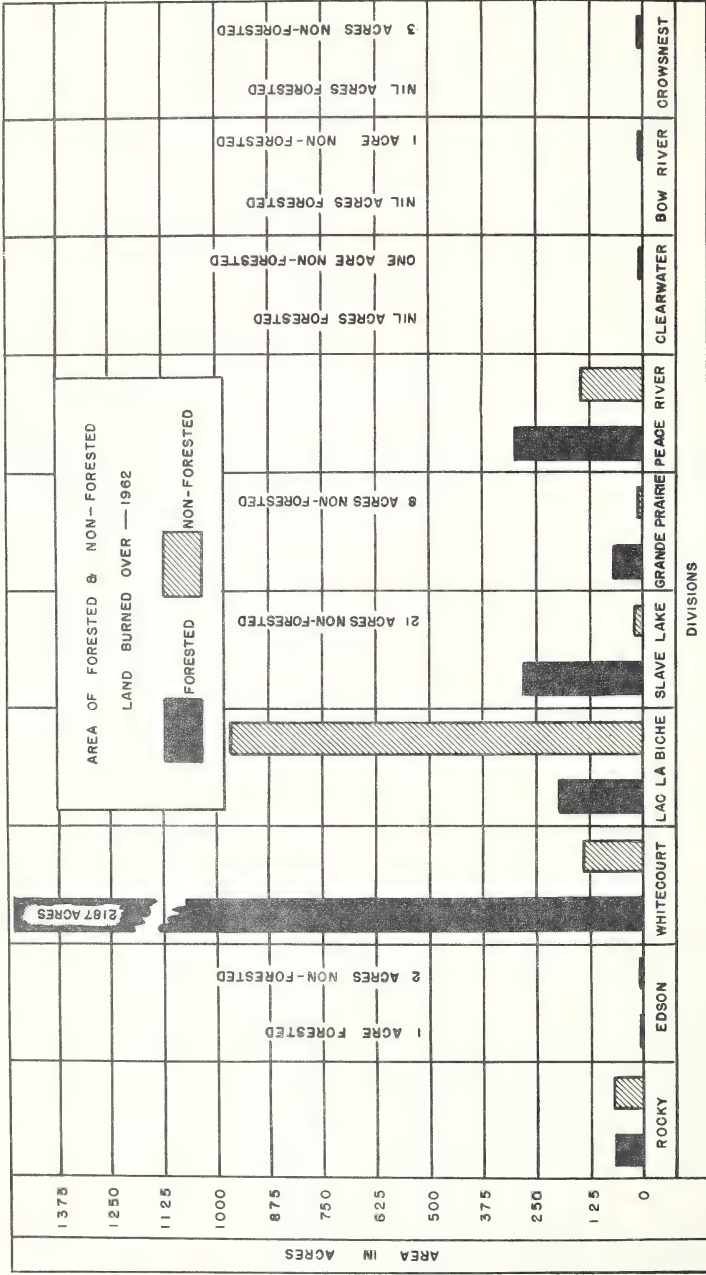
CAUSE	Number of Fires %	Merchantable Timber Losses Acres %	Total Acreage Burned %
Campers	18.0	0.1	0.3
Smokers	4.0	0.0	0.6
Settlers	6.1	1.6	5.5
Railways	3.6	0.0	0.3
Lightning	37.8	96.0	52.7
Industrial	14.7	1.3	1.1
Incendiary	6.8	0.3	13.1
Public Projects	2.5	0.1	0.1
Unclassified	2.2	0.0	0.0
Unknown	4.3	0.6	26.3

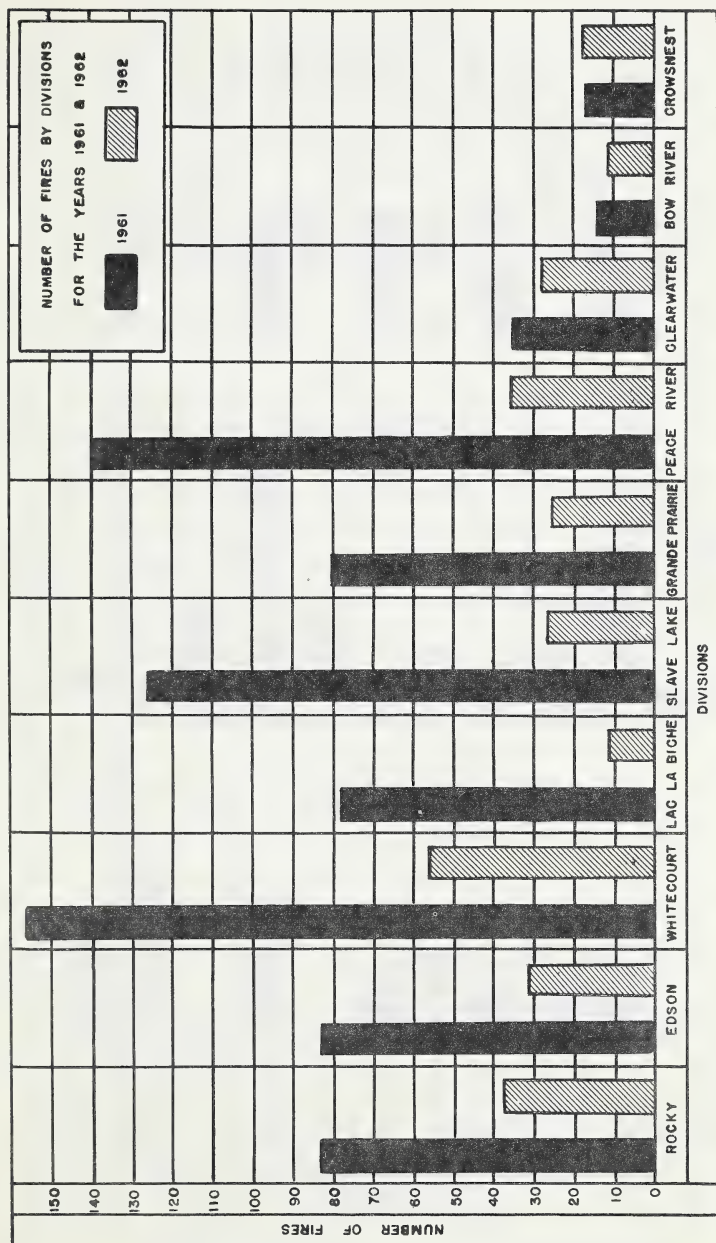
SUMMARY SHOWING TOTAL NUMBER OF FIRES AND BURNT OVER AREAS
FROM 1951 TO 1962 INCLUSIVE

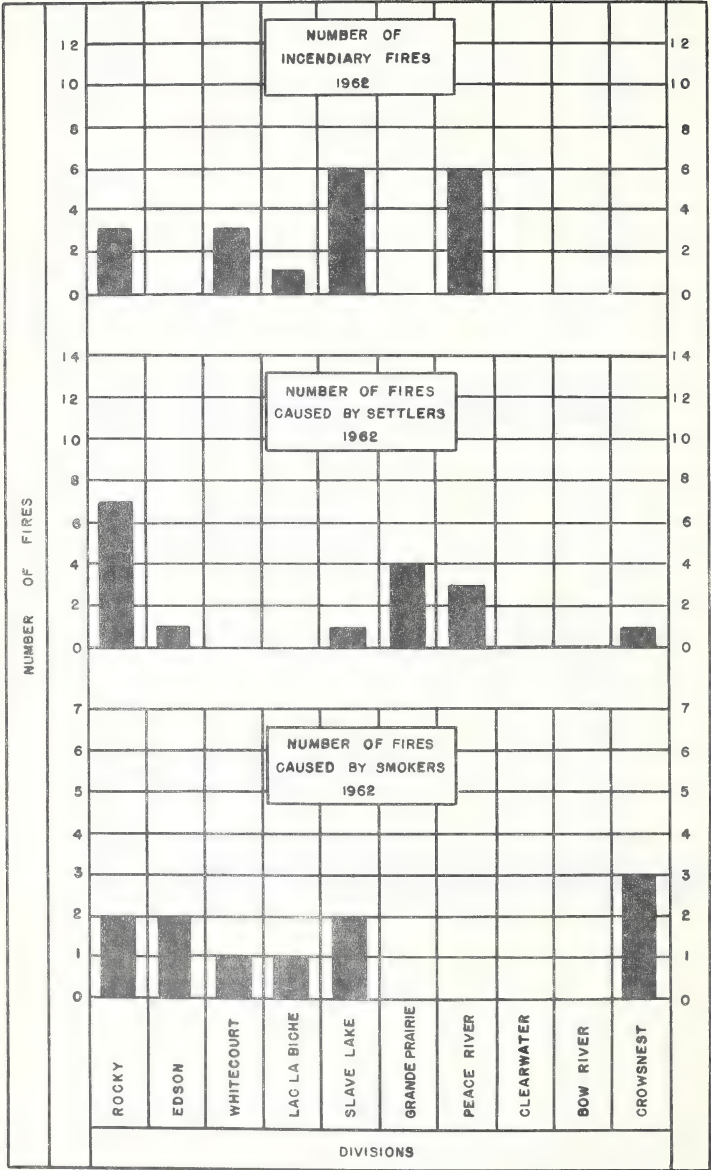
YEAR	Total Fires	Non Forested Acres	Forested Acres	Total Area Acres	Suppression Costs \$
1951	84	13,303	10,565	23,868	25,092
1952	192	184,905	299,424	484,329	70,443
1953	140	137,275	196,826	334,101	188,202
1954	85	71,008	57,869	128,877	77,453
1955	232	76,716	124,578	201,294	165,906
1956	258	116,679	577,801	694,480	657,092
1957	180	3,777	11,709	15,486	129,956
1958	464	75,753	155,240	230,993	1,475,347
1959	469	36,805	51,154	87,959	1,184,341
1960	474	9,497	10,463	19,960	345,623
1961	811	36,288	157,257	193,545	2,365,862
1962	278	1,386	3,120	4,506	210,869
Totals	3,667	763,392	1,656,006	2,419,398	6,896,186

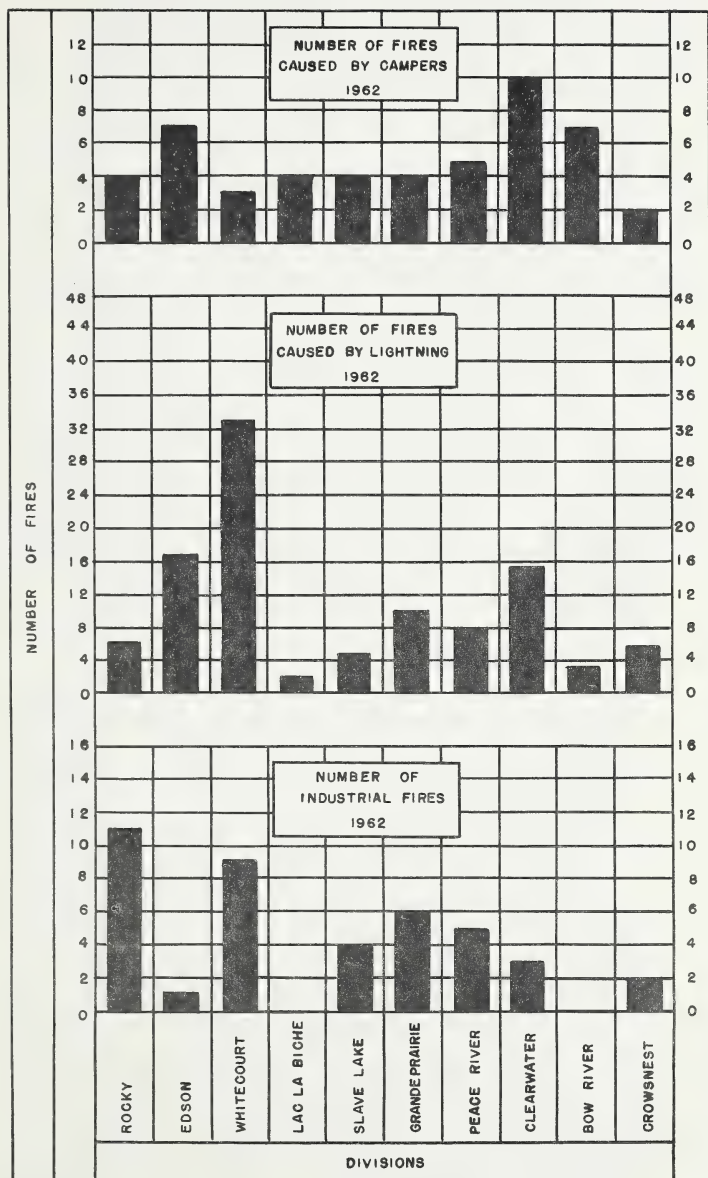
ANNUAL STATEMENT OF FIRES BY CAUSES, MONTHLY DISTRIBUTION, ETC.

FOR THE YEAR 19 62													Alberta													PROVINCE				
CAUSE	NUMBER						MONTHLY DISTRIBUTION												DISCOVERED BY				DAMAGE	AREA						
	A	B	C	D	E	TOTAL	%	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOWNS	PUBLIC	FOREST OFFICERS		AGENTS	CROWN LAND	PRIVATE LAND	TOTAL			
																										ACRES	ACRES	ACRES		
Campers	45	5				50	18.0		2			9	2	5	2	4	14	6	6	11	22	17			6	7	13			
Smokers	8	2	1			11	4.0					4	2	1	1	1		2			4	7			24	2	26			
Settlers	8	6	2	1		17	6.1				7	8	1				1			6	4	4	3		190	58	248			
Railways	6	4				10	3.6				1	2	6					1		1	2	1	6		8	6	14			
Lightning	82	17	5		1	105	37.8					6	58	27	14					62	17	6	20		2358	17	2375			
Industrial	27	13	1			41	14.7			1	13	9	8	3	1	2	2		2	9	21	7	4		49	1	50			
Incendiary	8	2	8	1		19	6.8					6	7	1	3	1		1		5	7	4	3		407	181	588			
Public Projects	4	3				7	2.5	1			1		1			2	2			1	3	3			2	4	6			
Unclassified	5	1				6	2.2				1			1	3			1		1	4	1		NH	1	1				
Unknown	5	4	1	1	1	12	4.3				1	3	2		4	1	1				3	4	2	3		1183	2	1185		
TOTALS	198	57	18	3	2	278		1	2	1	24	47	87	38	28	11	20	11	8	103	91	44	34	6		4227	279	4506		
PER CENT.	71.2	20.5	6.5	1.1	0.7		100	0.3	0.7	0.3	8.6	16.9	31.3	13.7	10.1	4.0	7.2	4.0	2.9	37.1	32.7	15.8	12.2			93.8	6.2	100		









ANNUAL SUMMARY OF FOREST FIRE LOSSES

SUMMARY OF FIRES BY CAUSES

POINT OF ORIGIN	CAUSE	CLASS OF FIRE					LANDS AFFECTED (ACRES)						VOLUME LOSS		VALUE			LOSS IN DOLLARS				SUPPRESSION COSTS				
		A	B	C	D	E	CROWN LANDS					Private Land	Total Area	Saw Timber M. F.B.M.	Others Cords	Saw Timber F.B.M. \$	Others Cords \$	Young Growth \$	Potential Productive \$	Total \$	Other Property \$	Total Loss \$	Ranger Service \$	Other Expenditure \$	Total Costs \$	
							Merchantable Timber	Young Growth	Potential Productive	Non Productive	Total Crown Land															
CAMPERS		45	5				1	1	1	3	6	7	13	4	36	16	28	8	2	54	300	354	653	3334	3987	
SMOKERS		8	2	1				4	20		24	2	26					30	30	60		60	328	1742	2070	
SETTLERS		8	6	2	1		35	140	5	10	190	58	248		64		32	1050	8	1090	500	1590	440	3693	4133	
RAILWAY		6	4						5	3	8	6	14						8	8		8	158	311	469	
LIGHTNING		82	17	5		1	2080	55	159	64	2358	17	2375	4424	33481	18358	45259	736	239	64592		64592	3718	161949	165667	
INDUSTRIAL		27	13	1			29	7	2	11	49	1	50	25	465	105	290	78	3	476	5000	5476	1053	8835	9888	
INCENDIARY		8	2	8	1		6	108	225	68	407	181	588	8	99	33	107	810	338	1288	7000	8288	973	8749	9722	
PUBLIC PROJECTS		4	3				1		1		2	4	6						1	1		1	46	556	602	
UNCLASSIFIED		5	1									1	1									250	250	72	218	290
UNKNOWN		5	4	1	1	1	13	28	194	948	1183	2	1185	93	886	386	1273	434	291	2384	260	2644	435	13606	14041	
TOTALS		198	57	18	3	2	2165	343	612	1107	4227	279	4506	4554	35031	18898	46989	3146	920	69953	13310	83263	7876	202993	210869	

SUMMARY OF FIRES BY DIVISIONS

CROWSNEST		16	2									3	3								200	200	327	425	752
BOW RIVER		11	1							1	1		1					4		4		4	120	309	429
CLEARWATER		28								1	1		1								300	300	324	6764	7088
KOCKY		27	9	2			1	69	6	17	93	60	153		2	2	3	523	9	537	7750	8287	510	2737	3247
EDSON		28	3				1			2	3		3										336	8126	8462
WHITECOURT		35	10	5		1	2054	60	73	73	2260	81	2341	4375	33118	18156	44843	752	111	63862		63862	2751	117362	120113
LAC LA BICHE		3	5	1	1	1	7	24	161	957	1149	7	1156	13	135	53	144	197	242	636		636	330	5216	5546
SLAVE LAKE		16	6	5			13	34	232	21	300		300	93	886	386	1273	479	349	2487		2487	1170	29985	31155
GRANDE PRAIRIE		15	9	2			50	8	19	8	85		85	44	277	182	245	61	28	516	5060	5576	1088	16076	17164
PEACE RIVER		19	12	3	2		39	148	121	27	335	128	463	29	613	119	481	1130	181	1911		1911	920	15993	16913
TOTALS		198	57	18	3	2	2165	343	612	1107	4227	279	4506	4554	35031	18898	46989	3146	920	69953	13310	83263	7876	202993	210869

FORESTRY TRAINING SCHOOL

The Forestry Training School continued its program of in-service instruction at Hinton and extended the program to include instruction to key firefighting personnel, members of the public chosen from various divisions for their potential as Fire Bosses. A total of 172 individuals were given training at the school, totalling 2620 student days. In addition to this, 53 Junior Forest Wardens and Supervisors attended two camps, part of the time being spent at the school. Training given outside the school included a three day course in forest fire control given to 18 members of the R.C.A.F. at Cold Lake and several instructional sessions to weather observers at various points.

The main course given was the twelfth annual eleven-week session for Forest Officers. Twenty students were selected from the field staff and all but one successfully completed the course. Of the 468 hours of classes time was spent as follows:

Fire Control	22%
Forestry and Management	28%
Surveying	11%
Construction and Maintenance	8%
Fish and Wildlife	6%
Others	25%

Fourteen officers from the Fish and Wildlife division attended the second term of their course in May 1962 and another group attended the first term of the next course in January 1963. This course covers biology, fish and wildlife management and law enforcement.

Training of towermen continued for the eighth year, on a slightly reduced scale. Only the new men, a few one-year men and the senior towermen attended giving a total of 58 for the two five day courses. The three main subjects covered were smoke reporting, radio operating and weather observing. All new men were required to pass the Department of Transport examination for their Radiotelephone Operators Certificates. Senior Towermen gave valuable assistance in the training of new men.

A refresher course was inaugurated for forest officers who had attended early forestry courses, provided when the school was held at Kananaskis. Twenty men attended the two week course at which approximately 50% of the time was spent on Fire control, 30% on forest management and 20% on forest Surveys, law and construction. The purpose of the course was to bring these men up-to-date on developments since they attended the regular course.

The first course held at the school for personnel outside the Department was the five day Fire Bosses course given to 26 key firefighters from the Grande Prairie, Whitecourt and Edson Divisions in April 1962. This course appeared to be quite successful and training continued the following spring with another 20 men attending the first of two courses during the last week in March 1963. Students were selected for all of the northern Divisions. The course concentrated on fire behaviour, suppression techniques and facilities; and radio operation.

Junior Forest Warden growth has continued and at the end of March there were 263 active members in 14 clubs, and 38 boys in isolated locations being members of the Long Patrol administered directly from Hinton by the chief supervisor for the Province. A ten day camp was held in July for 27 supervisors and senior boys. Part of this time was spent in classroom instruction and part at the camp in Entrance Provincial Park. Another group of 26 younger boys spent a week at the camp. This camp area has since been set up as a provisional reserve for Junior Forest Wardens.

A woodlot area has been reserved for the Forestry Training School, covering an area of approximately 7000 acres southeast of the school at Hinton.

FOREST SURVEYS BRANCH

Continued progress was made during the 1962-63 fiscal year on all major projects of this Branch. This included detailed forest management inventories, preparation of management plans, revision to the general inventory, preparation of new forest cover maps and revision of other forest cover and access map series, field work on special projects, forest protection planning and providing numerous drafting and photogrammetric services to other branches and organizations.

An accounting of the more important work accomplished by the Branch may be summarized as follows:

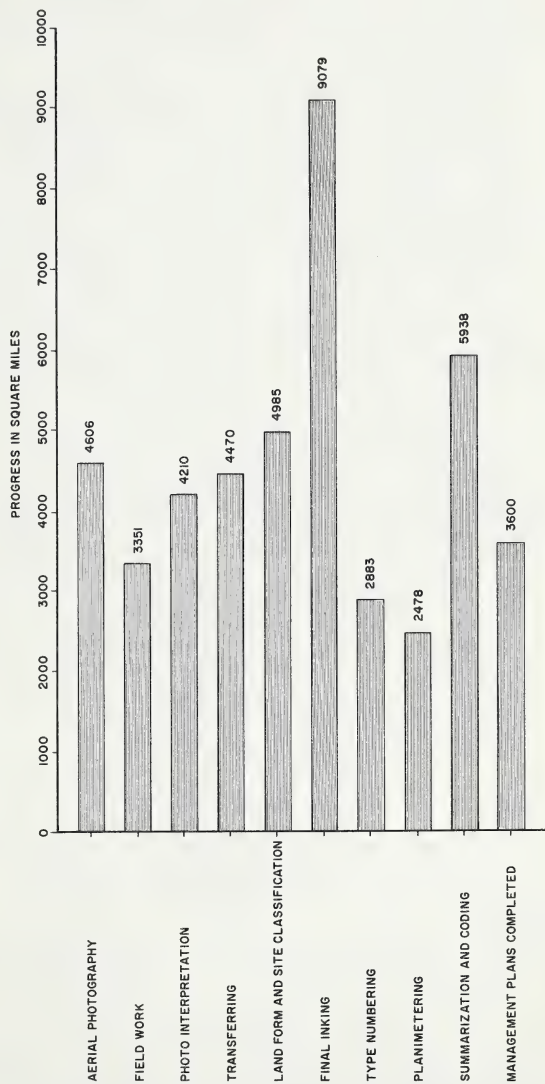
FIELD WORK

	Number of Plots	
Volume Plots	4,830	
Age Class Plots	230	
Regeneration Plots	1,696	
Height-Diameter Samples	839	
Permanent Growth and Yield Plots	224	
Site Classification Plots	1,072	
Cull Survey Plots	60	(1,770 trees)

GENERAL INVENTORY REVISIONS

	Number of Maps	Area in Square Miles
New Access Interpreted	49	16,100
Films Revised	97	32,000
Films Reduced to 1 inch = 1 mile	191	63,000
Re-planimentering		7,730
Re-coding		7,972

***DETAILED MANAGEMENT PLANNING
1962-1963***



MAP REPRODUCTIONS

Map Series	Number Maps			Number Copies			
	New Issues	Relithographed	Over- Printed	New Issues	Relithographed	Over- Printed	Distributed
Forest Cover 1 inch = 2 miles	10	14	25	5,700	7,900	5,150	6,790
Access 1 inch = 4 miles			7			4,900	6,365
Access 1 inch = 8 miles							1,135
Forest Protection 1 inch = 16 miles			3			370	370
Management Unit 1 inch = 16 miles							80
Ranger District 1 inch = 16 miles			1			100	32
Composite Forest Cover 1 inch = 16 miles							150
TOTAL	10	14	36	5,700	7,900	10,520	14,922

In addition to the above, 6,400 ozalid copies of forest cover and planimetric maps at scales of 1 inch = 20 chains, 1 inch = 40 chains, 1 inch = 1 mile, etc., were distributed upon request.

FOREST PROTECTION PLANNING

Visible Area Mapping - Number of sites evaluated.

From panoramic photographs	23
From profile charts	10
From field plotting	21
Final evaluation completed	15

Improvement Reservation Plans

Road location plans	83
Ranger station site plans	4
Airstrip location plans	4

Aerial Photography by Department aircraft and personnel.

New and revised road locations	268 miles
Fire lookout sites	25
Ranger station sites	8
Airstrip locations	56
Miscellaneous locations and sites	4

Fire-Finder Maps Prepared 20

TIMBER APPLICATION MAPPING

Number of applications processed	171
Area of photographic interpretation	468,480 acres
Area mapped	803,200 acres

CHECKING OF LAND USE APPLICATIONS AND PLANS

Proposed and revised geophysical plans	342
Final geophysical plans	143
Right of Entry Applications	89
Mineral Surface Lease Applications	294
Licence of Occupation Applications	39
Pipe Line Applications	130

MISCELLANEOUS

Grazing allotment maps prepared	23
Agricultural and Tree Farm Sale Regulations:	
Area gridding, photo-interpretation and volume compilation	130 quarter sections
Oil and Gas Field Mosaics prepared	5
Cancelled timber licences photographed under contract	106
Cancelled timber licences - volume checks	28

PUBLICATIONS

A new publication "Form Class Volume Tables for White Spruce and Lodgepole Pine in Alberta" was released during the year.

The "Alberta Forest Service Map Index" booklet was brought up-to-date and revisions distributed to recipients of the original publication.

FOREST MANAGEMENT

Further progress in the work of all sections of the Branch was made during the year, particularly toward the implementation of plans and practices which will improve management of "forested" areas administered by the Alberta Forest Service.

Woods Operations Section

(a) Annual Operating Plans

One of the conditions of sale on 163 timber licences requires that annual operating plans be submitted by the licensee before the commencement of operations. Approval was granted for 93 annual operating plans submitted by those operating.

(b) Log Scaling

Licensed areas on log scale totalled 127, of these 68 were active.

Volume scaled - saw and peeler logs = 96,398 M F.B.M.
Pulpwood 192,000 cords = 86,400 M F.B.M.

Total scaled 182,798 M F.B.M.

Scaling Exams

Exams were held in 8 centres throughout the Province with 159 candidates sitting for exams. Of these 58 failed to obtain the required 75% pass mark.

(c) Tree Scale

Twenty-five licences or special timber permits were sold on a tree scale basis. The volume scaled in the standing tree was 34,280 M F.B.M.

In conjunction with the Alberta Forest Products Association the timber audit staff conducted two mill net surveys. Dues for timber are reviewed twice yearly and adjusted upward or downward depending on the average mill net prices for the prior six month period. The first survey resulted in no change of dues but the second survey showed an increase in mill net prices to warrant a raise in dues from \$4.15 to \$4.60 per thousand F.B.M. of lumber.

Silviculture Section

(a) Seedbed Treatment (Scarification)

A total of 10,678 acres were scarified during the year, of which 6,161 acres was undertaken by North Western Pulp & Power Ltd. on their pulpwood lease. The work directly under the jurisdiction of the Alberta Forest Service was primarily conducted under an aspen overstory.

(b) Seeding

Some 300 acres of scarified ground were left for natural seeding but an additional 5,797 acres were spot seeded, primarily to spruce. This is in addition to 2,103 acres seeded by North Western Pulp and Power Ltd.

(c) Seed Collection

Approximately 2,262 bushels of cones were collected throughout the Province this past year. Collections were concentrated in stands having good phenotypes.

All seed is being held in cold storage.

Scarification, Seeding, Cone Collection, Thinning and Planting

Divisions	Scarifi- cation (acres)	Seeding (acres)	Collection (bushels)	Thinning (acres)	Planting
Peace River	1,100	1,910	527		18,000
Grande Prairie	398	398	171		28,000
Slave Lake	786	786	4		24,000
Whitecourt	500	500	417		14,000
Lac La Biche	400	525	14		25,000
Edson (Includes N. W. P. & P.)	6,161	2,457	163		34,000
Rky. Mtn. House	823	824	469	24	10,000
Bow River	180	40	244	103	10,000
Crowsnest	330	460	253	13	10,000
	10,678	7,900	2,262	140	173,000

(d) Planting

Planting again increased slightly with some 173,000 seedlings being planted out in the various Divisions.

(e) Nursery

The number of seedbeds is increasing each year. The expected number of 3-0 seedlings to be ready for planting in 1964 is 1,000,000 and for 1965 is 2,000,000.

Timber Sales and Accounting Section

The devaluation of the Canadian dollar was beneficial to the lumbering industry of the Province, because it depends primarily on the United States market. Producers were able to dispose of their stocks of lumber during 1962 at an increased price.

The winter of 1962-63 was relatively mild and the operating season was shorter than usual by two to three weeks, however an increase of 8.27% over 1961-62 was attained in lumber production. The value of timber products manufactured increased from \$22,236,880.00 to \$25,599,494.00.

One hundred and four timber licences were offered for sale. Eighty-four of these were sold. Sixteen licences were awarded which had previously drawn no bids at competitive sale. The volume of timber offered for sale was 523,776,300 F.B.M. and 21,577,025 lineal feet coniferous together with 26,096,600 F.B.M. deciduous.

Twenty-seven special timber permits were granted covering an estimated volume of 2,749,000 F.B.M. and 1,249,000 lineal feet coniferous timber and 230,000 F.B.M. deciduous.

Comparative charts and tables on following pages show in summary form timber operations on public lands during the past ten year period.

Forest Management Plans Section

(a) Industrial Leases

North Western Pulp and Power Ltd.

During the past year the Detailed Working Circle Management Plan for the Marlboro Working Circle of North Western Pulp and Power Ltd. was reviewed, and a working circle management plan format was prepared and approved for use of future working circle management plans.

(b) Vegetative Study

The study, initiated in cooperation with the Department of Public Health, to determine the effect of sulphur dioxide emitted from the sulphur recovery plants located in Coleman and Whitecourt has been expanded to encompass sour gas wells in the forested area of the Crows-nest Forest. Results from the forest and vegetative study to date indicate that there has been an increase in the sulphur content of the coniferous forest vegetation. However, the study will have to be carried out for a longer duration to establish if the vegetation will be materially injured by the SO₂ gases.

Forest Land Use Section

- (a) Petroleum and Natural Gas Industry (See map on following page)
- (b) Grazing

Rocky Mountains Forest Reserve

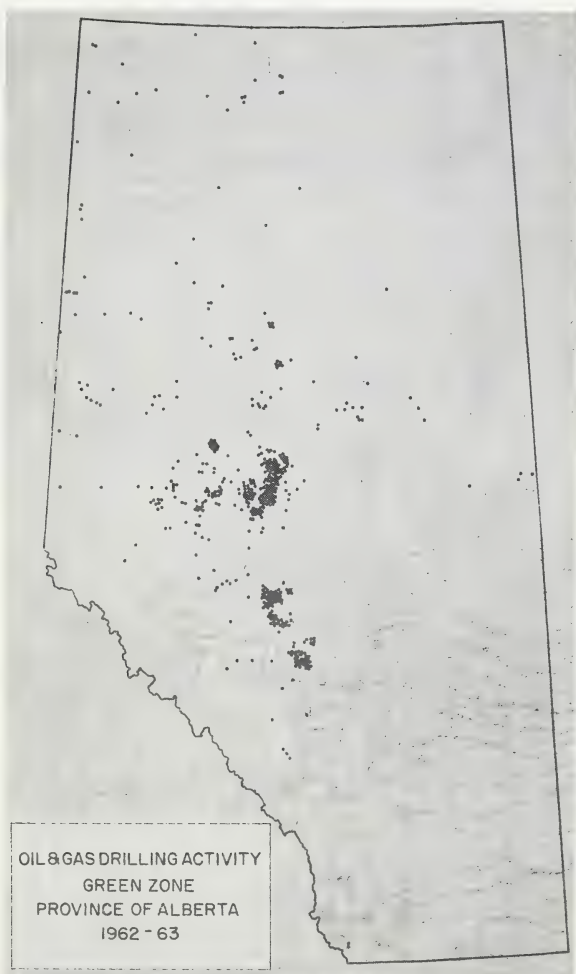
The conditions of the range throughout the Forest Reserve remained satisfactory during the 1962 season. Improved moisture conditions in most districts brought about an increase in forage production.

Sixteen water development projects were completed by the P.F.R.A. bringing the total of 75.

A review of the existing systems of permanent range transect clusters was initiated in 1962 and when completed in 1963 will include 82 permanent transects and 29 exclosures.

Other Forest Divisions

Demand for summer grazing in the green zone of the Province continues to increase. During the year 16 grazing leases were issued on lands in the green zone, bringing the total to 149.



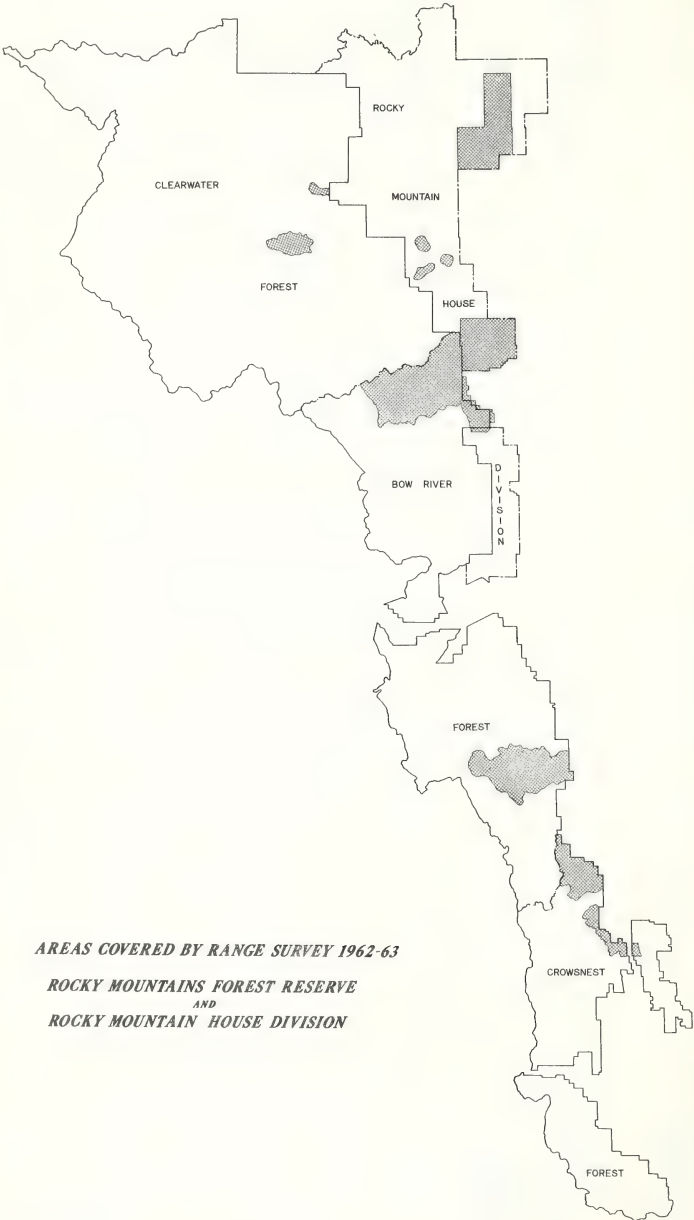
GRAZING

ROCKY MOUNTAINS FOREST RESERVE

	Crowsnest Forest		Bow River Forest		Clearwater Forest		Total RMFR	
	1961	1962	1961	1962	1961	1962	1961	1962
Cattle	14,096	13,520	8,496	8,154	805	1,016	23,397	22,690
Horses (under permit)			378	250	214	381	592	631
Sheep	1,039	995					1,039	995
Total Animals	15,135	14,515	8,874	8,404	1,019	1,397	25,028	24,316
Animal Unit Months	47,278	47,777	33,719	31,372	3,954	6,853	84,951	86,002
Number of Permits	184	186	87	87	33	40	304	313

SUMMARY OF TIMBER OPERATION ON PUBLIC LANDS

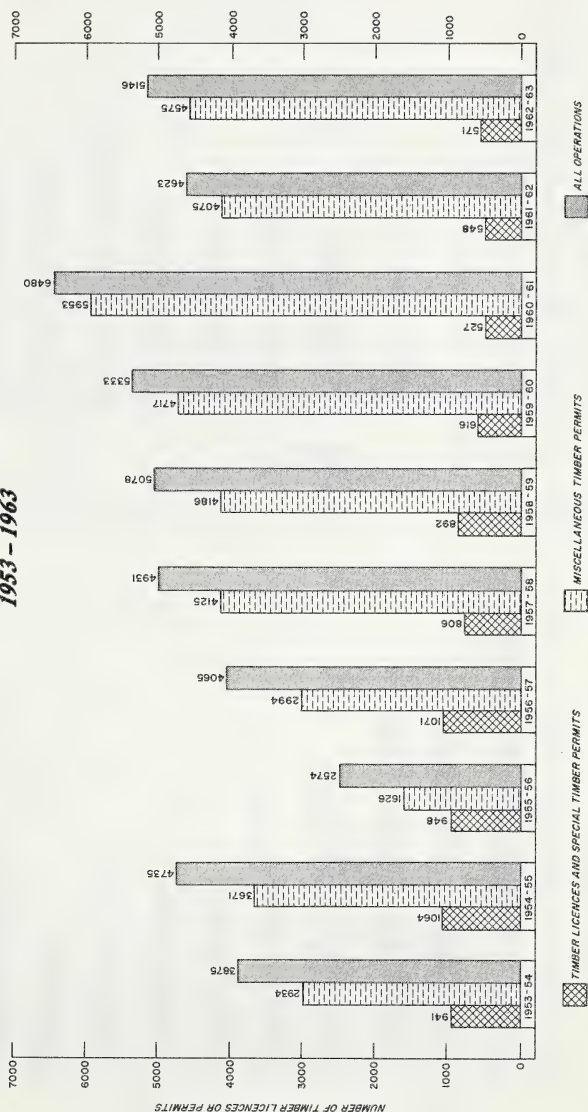
	Timber Licences and Special Permits		Miscellaneous Timber Permits		Totals	
	1961 - 62	1962 - 63	1961 - 62	1962 - 63	1961 - 62	1962 - 63
Number of Active operations	548	571	4,075	4,575	4,623	5,146
Christmas Trees	100	150	16,970	44,197	17,070	44,347
Fuelwood, Cords	335	38	8,085	13,404	8,420	13,442
Lath, pieces	2,520,911	2,981,341	165,000	250,000	2,685,911	3,231,341
Lumber, F. B.M.	275,408,999	300,316,885	12,822,426	13,913,413	288,231,425	314,230,298
Mine Ties (pieces)	27,021	24,986			27,021	24,986
Pulpwood (cords)	247,972	260,888	23,263	21,826	271,235	282,714
Plywood Logs, Poplar (F.B.M.)	9,207,862	8,684,858	3,657,156	5,692,967	12,865,018	14,377,825
Plywood Logs, Coniferous (F.B.M.)	20,191,608	22,618,398		25,000	20,191,608	22,643,398
Railway Ties (pieces)	210,864	634,213			210,864	634,213
Round Timber (Lineal feet)	4,862,297	8,549,439	15,008,658	20,117,410	19,870,955	28,666,849
Shingles (pieces)			25,005	11,141	25,005	11,141
Slabs (cords)	467	418	12		479	418
Timber Seizures	4	3	42	18	46	21
Custom Sawmill or Planer Permits (number)			227	139	227	139



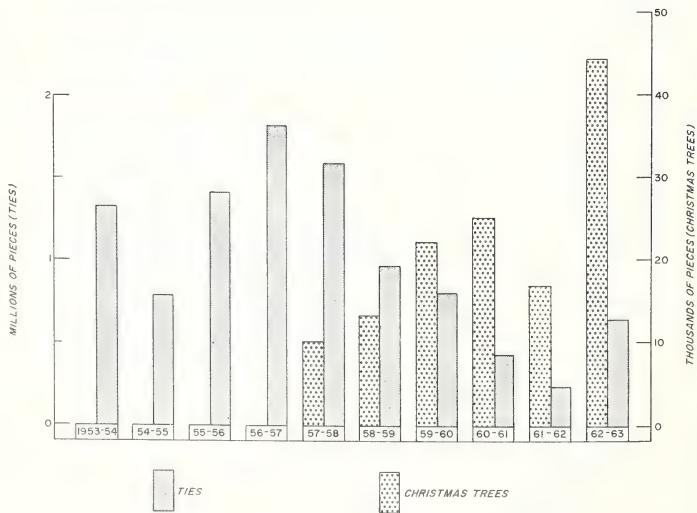
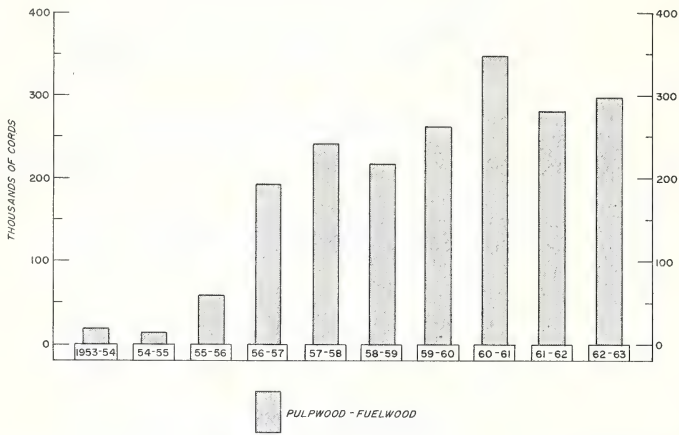
AREAS COVERED BY RANGE SURVEY 1962-63

*ROCKY MOUNTAINS FOREST RESERVE
AND
ROCKY MOUNTAIN HOUSE DIVISION*

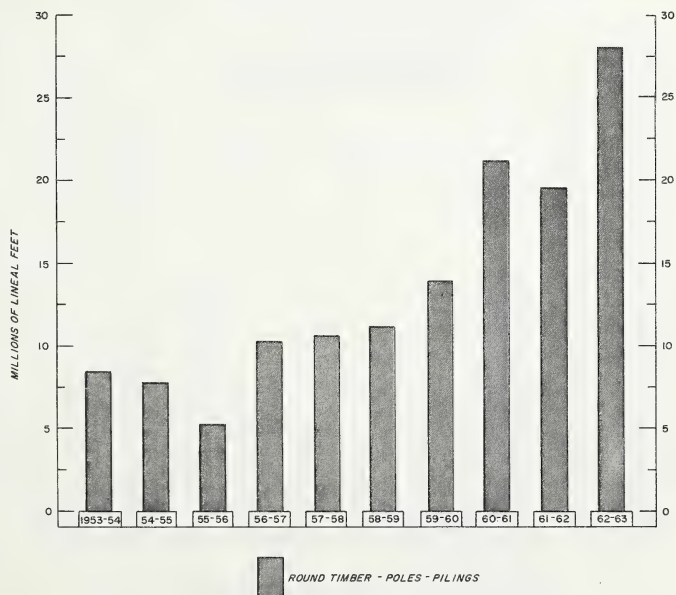
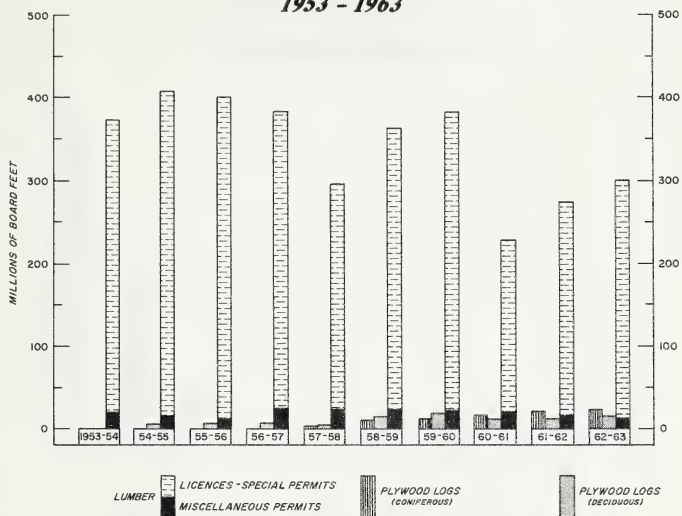
**CROWN TIMBER UNITS HELD UNDER LICENCE OR PERMIT
TEN YEAR PERIOD
1953 - 1963**



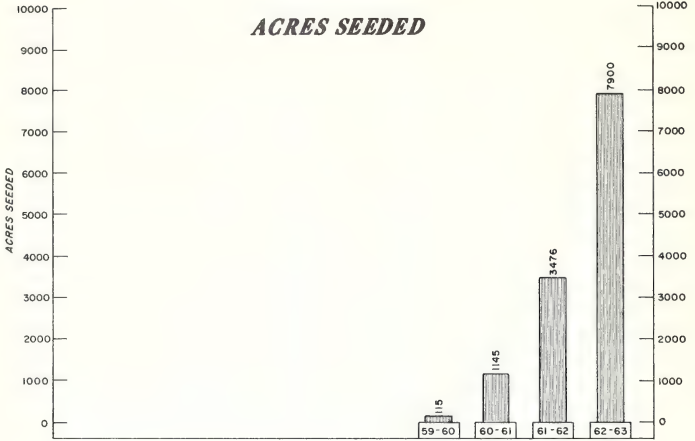
FOREST PRODUCTS
TEN YEAR PERIOD
1953 - 1963



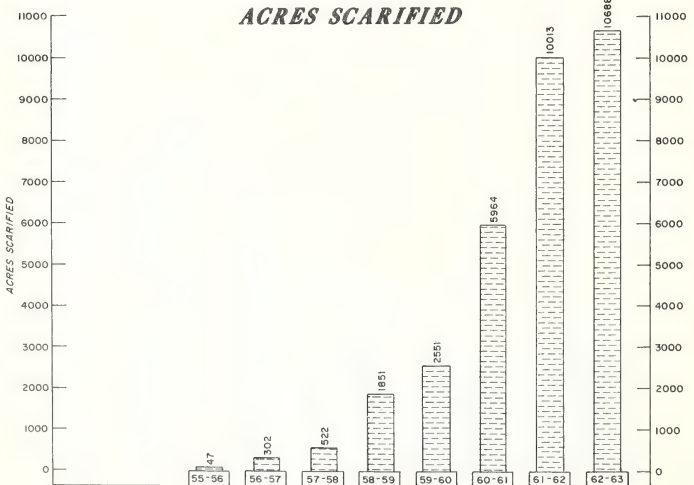
**FOREST PRODUCTS
TEN YEAR PERIOD
1953 - 1963**



**TRENDS IN REFORESTATION
TO MARCH 31, 1963**



INCLUDES ACRES SEEDED UNDERTAKEN BY NORTH WESTERN PULP AND POWER LTD.



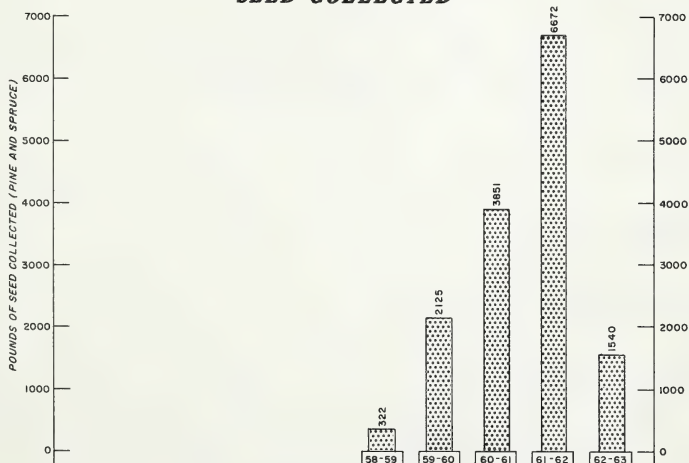
INCLUDES SCARIFICATION UNDERTAKEN BY NORTH WESTERN PULP AND POWER LTD.

TRENDS IN REFORESTATION TO MARCH 31, 1963

SEEDLINGS PLANTED



SEED COLLECTED



INCLUDES COLLECTION UNDERTAKEN BY NORTH WESTERN PULP AND POWER LTD.

RADIO COMMUNICATION

BOW RIVER DIVISION	Headquarters	Ranger Stns.	Lookouts	Mobiles	Portables	Totals
Stations	1	9	8	20	15	52
Messages	9,615		356			9,971
Power Plants		4	6			10
Plant Hours		13,155	1,363			14,518
CROWSNEST DIVISION						
Stations	1	6	5	14	9	25
Messages	5,522		77			5,599
Power Plants		1	4			5
Plant Hours		1,795	1,335			3,128
EDSON DIVISION						
Stations	1	14	14	16	30	73
Messages	10,994		953			11,947
Power Plants		10	12			22
Plant Hours		42,843	14,375			57,218
GRANDE PRAIRIE DIVISION						
Stations	1	8	12	13	20	54
Messages	6,999		1,243			8,242
Power Plants			14			14
Plant Hours			8,960			8,960
LAC LA BICHE DIVISION						
Stations	2	6	21	11	60	100
Messages	16,665		2,114			18,779
Power Plants		5	18			23
Plant Hours		19,089	9,750			28,839
PEACE RIVER DIVISION						
Stations	2	14	14	9	60	99
Messages	14,077		1,584			15,661
Power Plants		6	13			19
Plant Hours		25,112	6,819			31,931
ROCKY CLEARWATER DIVISION						
Stations	1	10	13	16	30	69
Messages	8,695		571			9,266
Power Plants		1	10			11
Plant Hours	5,595		8,344			13,939
SLAVE LAKE DIVISION						
Stations	1	9	16	8	60	94
Messages	9,967		748			10,715
Power Plants			14			14
Plant Hours			7,414			7,414

WHITECOURT
DIVISION

	Headquarters	Ranger Stns.	Lookouts	Mobiles	Portables	Totals
Stations	1	7	11	10	22	51
Messages	14,862		1,663			16,525
Power Plants			10			10
Plant Hours			5,937			5,937

EDMONTON
DIVISION

Stations	1					1
Messages	53,314					53,314

SUMMARY

ALBERTA FOREST
SERVICE

Stations	12	83	111	123	298	627
Messages	150,710		9,309			160,019
Power Plants		27	98			125
Plant Hours		107,587	64,587			171,884

FISH AND WILDLIFE ADMINISTRATION

Report of the Director of Fish and Wildlife

CURT P. SMITH

ADMINISTRATION

The year under review saw the inauguration of the subdivision type of supervision. The province was divided into four sections, namely the southern area being south of Highways No. 1 and 9; the central area being south of the Saskatchewan River and Highway No. 14; the northeastern area being north of Highway No. 14 to include the major commercial fishing areas and the northwestern area being north of the North Saskatchewan through the Peace River Block to the Northwest Territories. Each area comes under the supervision of a Conservation Officer II, who is responsible for the distribution of man power and the enforcement and administration of each area.

In review, this system has improved the efficiency of supervisory and enforcement effort, communications between head office and field staff and increased the detailed supervision of each area.

STAFFING:

The Division has been given the opportunity to reorganize its man power and expand its personnel gradually, so that new people may be trained to share their responsibilities. There are at present 41 district offices, 16 full-time stenographers and 7 half-time stenographers.

The Fish and Wildlife Officers' school will have furnished a complete basic course for Officers by 1964. It is proposed to continue this training as a refresher and advanced school on the next rotation. Table I is a staffing review of five years.

Table I

Staffing of Division					
	1958/59	1959/60	1960/61	1961/62	1962/63
Director	1	1	1	1	1
Section Chief	2	3	3	2	3
Biologists	6	7	7	10	10
Hatchery Superintendents	2	2	2	2	2
Supervisors - Conservation Officer II					7
Officers	46	52	59	61	56
Other Staff	21	20	32	39	42
TOTAL STAFF	78	85	104	115	121

ENFORCEMENT:

While it is recognized that absolute enforcement of fishing and hunting regulations can never be attained in practice, an increase in the number of Fish and Wildlife Officers has provided a proportionate increase in the number of investigations. Responsible people who maintain an interest in wildlife resources can appreciably support the work of enforcement staff by indicating intolerance for actions contrary to game regulations. Individual citizen co-operation with Officers of the Fish and Wildlife Service can appreciably add to enforcement efficiency.

Table II

Number of Convictions

1958/59	1959/60	1960/61	1961/62	1962/63
856	810	1,051	1,068	1,631

The 1631 convictions in 1962/63 resulted from 1761 investigations and 1678 prosecutions.

Table III

Frequency of Violations Resulting
in Convictions for 1962/63

GAME

Loaded firearm in vehicle	473	39.3%
Failing to wear scarlet clothing	54	4.5%
Illegal possession of game	150	12.5%
Hunting and trapping at unauthorized times	107	9 %
No licence	51	4.3%

FISH

More than one line	163	38 %
No licence	132	31 %
Small mesh net	57	13.2%

REVENUE AND EXPENDITURES:

Revenue is obtained chiefly from hunting, angling, commercial fishing and fur dealers licences; and from fur taxes, trap line registration and commercial fishing royalties.

Table IV

	1959/60	1960/61	1961/62	1962/63
	\$	\$	\$	\$
Expenditure Total	536,644.36	806,236.43	799,588.48	877,681.26
Revenue Total	796,366.80	931,873.11	951,186.72	1,011,494.87

LICENCE SALES:

Licence sales fluctuate in response to: (1) changes in rates of fees, (2) adjustments in open seasons and bag limits, (3) availability of fish and wildlife.

A table of comparison which follows in this report illustrates changes over the past few years in licence sales.

HATCHERIES AND PLANTING PROGRAMS

Artificial propagation serves best in three roles; (1) Research, (2) Reclaiming disaster areas, (3) Fringe habitat experiment.

On following pages in this report will be found tables of fish and game bird hatchery releases.

WILDLIFE DAMAGE INSURANCE FUND:

	1961/62	1962/63
Policies	8	27
Acreage		1,677
Claims	2	10
Acreage Damage	140	177
Settlements and Costs	7,580.58	2,832.28
Balance of Fund	139,197.42	279,097.08

FISH

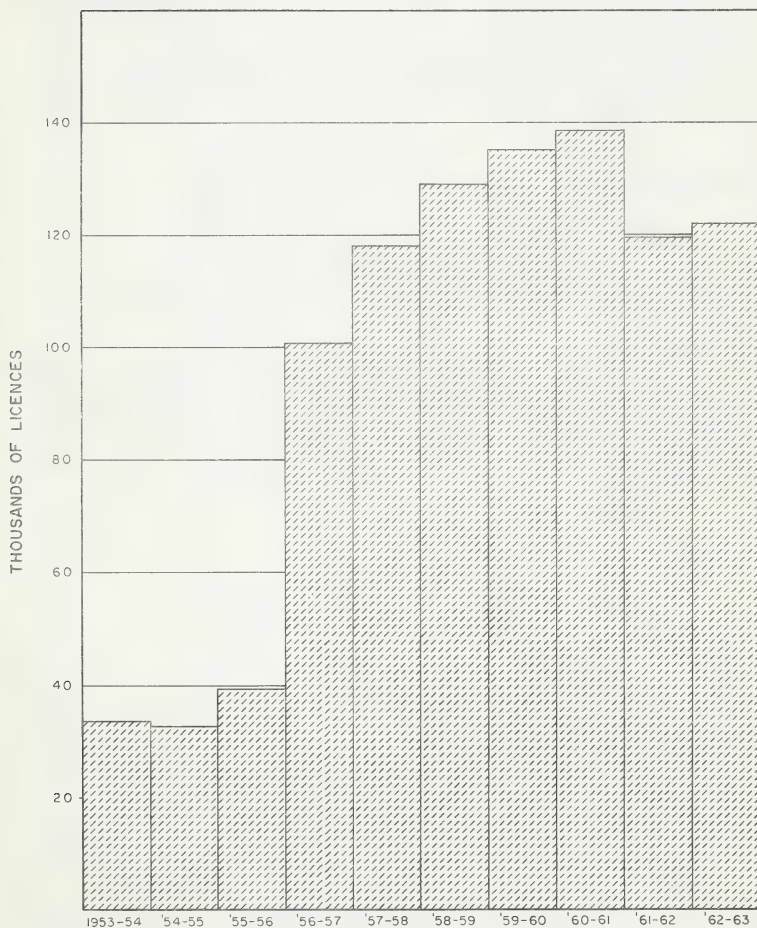
Sport Fisheries

The year under review was characterized by continuing drought conditions in the southern part of the province while central and northern areas experienced a cool damp summer which hampered fisheries surveys to some extent. A fairly general winter kill of trout was recorded in 'pothole' type lakes prior to ice break-up in early 1962. This winter kill was more noticeable in an east-west line through Edmonton and was brought about by dense plant plankton and rooted aquatic growths in 1961, coupled with heavy snowfalls during the immediate past winter. As a result an extensive trout re-stocking program was undertaken in trout lakes in the north-central areas of the province.

The sale of angling licences recovered somewhat from the drop experienced during the 1961-62 fiscal year, but remained well below the peak recorded in 1960-61.

Research into the mortality of hatchery trout in streams was continued at the Alberta Biological Station at Gorge Creek. This was supplemented by projects at Jumping Pound and Carbondale river which were designed to check the recovery by anglers of catchable sized hatchery trout stocked in streams. 1962 marked the completion of the current series of experiments on the Carbondale river.

ANGLING LICENCE SALES IN ALBERTA



Investigations into lake management practices were continued by the collection of data at creel census stations at Beauvais Lake and Sibbald Lake.

BIOLOGICAL SURVEYS AND MANAGEMENT PROJECTS

Reclamation work involving the use of fish toxicant for the removal of undesirable fish species was carried out on two streams and seven lakes in the province. The waters thus treated were: Open Creek, Muskeg Creek, Gold Springs Reservoir, Shuster Lake, Cavan Lake, Chatwin Lake, Hasse Lake, Mami Lake and Lees Lake.

Biological surveys were conducted on other waters as follows:

Barrhead District

Schuman (Long) Lake (35 & 36-61-8-W5)
Christmas Creek
Timen Creek

Cold Lake District

Angling Lake (60-3-W4)
Ernestina Lake (60 & 61-3-W4)
Medley River
Marie Creek

Castor District

Long Lake (35 & 36-41-1-W4)
Shuster Lake (43-5-W4)

Edson District

Maskuta Creek

Evansburg District

Coldwater Creek

Grande Prairie District

Nose Lake (64-11-W6)
Spirit River Reservoir
Rycroft Reservoir
Belloy Reservoir

Peace River District

Leddy Lake (85-22-W5)

Rocky Mountain House District

Center Fork Prairie Creek
South Fork Prairie Creek
Tay River (upper section)
Swan Creek (lower section)

St. Paul District

Unnamed Lake (17 & 20-60-17-W4)

Whitcourt District

Athabasca Tributary (60-15-W5)

Fish Culture and Stocking

The provincial fish hatchery located in Calgary again operated at capacity. As usual production of trout was emphasized, but some Arctic grayling were produced. Due to reconstruction of the rearing ponds at the Raven Station in 1961, only a small number of over yearling trout were available for stocking purposes during the year under review. A total of 2,260,085 trout were stocked in 111 locations throughout the province. Other species of game fish placed in angling waters were as follows:

Arctic grayling	15,600
Walleye	1,540,000 (eyed-eggs)
Perch	50,000
Pike (adult)	1,750

Species composition of trout and grayling plantings during the year is charted on the following page.

As in previous years, the majority of stocked trout were placed in lakes throughout the settled areas of the province. Other situations where hatchery trout were utilized were in beaver dams on streams and in small ponds near centers of population. A breakdown of numbers of hatchery trout used for these purposes during the past five years is shown in Table I.

Table I

Numbers of Hatchery Trout Stocked in
Various Situations in Alberta for the Period 1958-62

Year	Small Pond Situations*	Beaver Dams	Lakes and Reservoirs	Total
1958	5,383	139,500	3,235,804	3,380,687
1959	8,455	336,338	3,137,602	3,512,395
1960	9,185	206,760	1,938,515	2,154,460
1961	11,280	384,800	1,839,520	2,235,600
1962	3,960	308,000	1,963,725	2,275,685

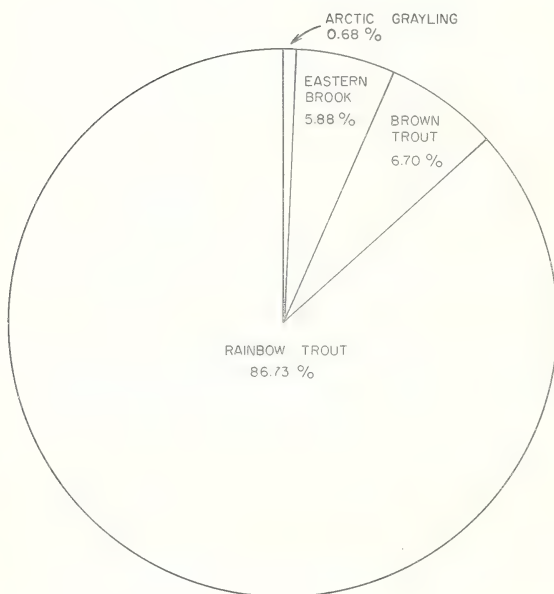
* Over-yearling trout stocked for fishing during the year of planting.

Game Fish Farms

Nine inspections were carried out in connection with game fish farm licence applications. There were six licenced commercial game fish farms and two licenced private game fish farms in the province in 1962.

SPECIES COMPOSITION OF COLD WATER GAME FISH PLANTINGS

1962



Commercial Fisheries

Commercial fish production in the province showed a slight decline from the previous year with total landings for all species recorded at 9,039,623 pounds. Production of pike and tullibee increased over the 1961 figures, but this was more than offset by lower yields of whitefish and walleyes (pickerel).

A record of commercial fish production in the province from 1942 to 1962 is presented in Figure 3.

Production of whitefish, the most important commercial species in Alberta, is presented in Figure 4.

Commercial production of walleye (commonly referred to as pickerel by the fish trade) has been known to fluctuate widely from time to time. This variation in walleye landings is illustrated in Figure 5.

Fig. 3

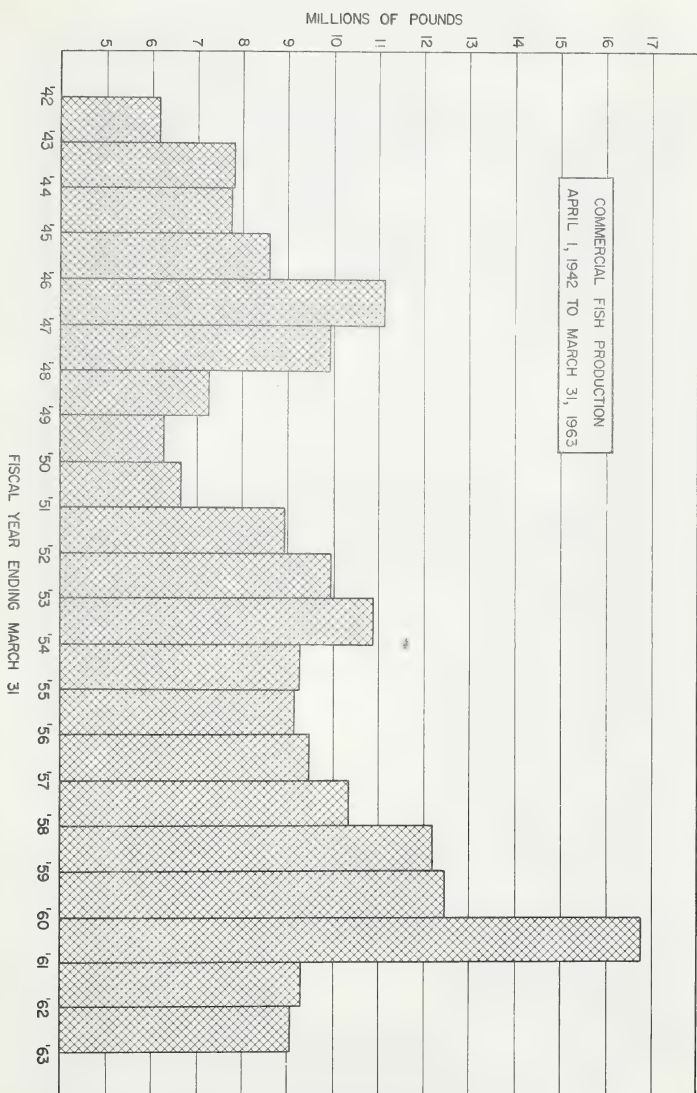
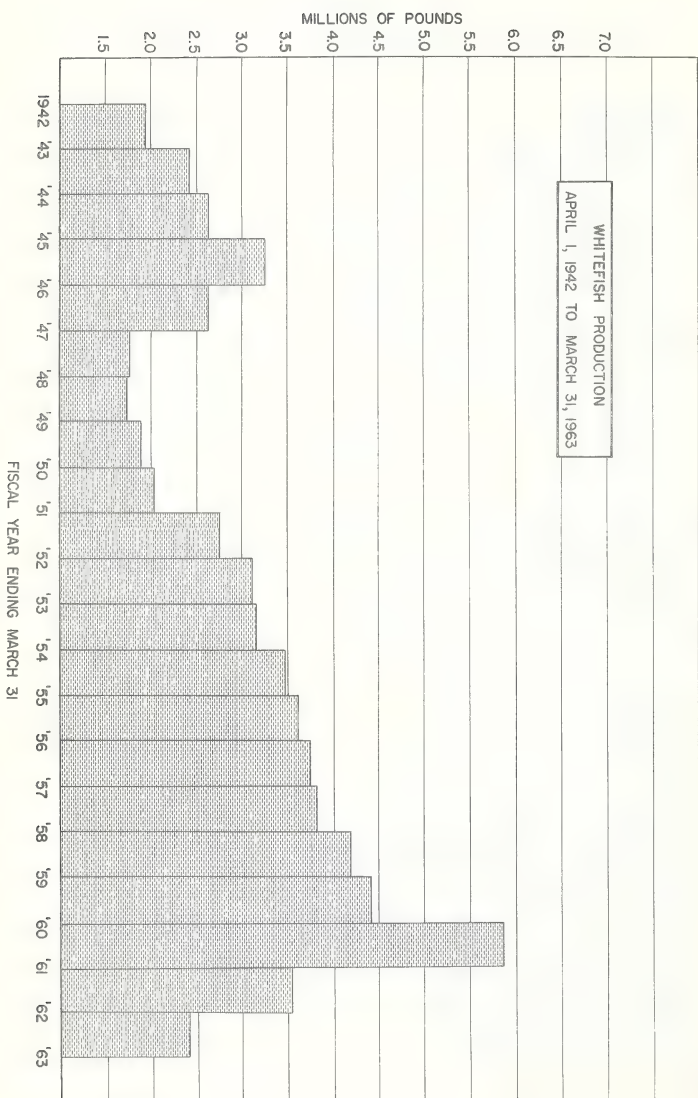
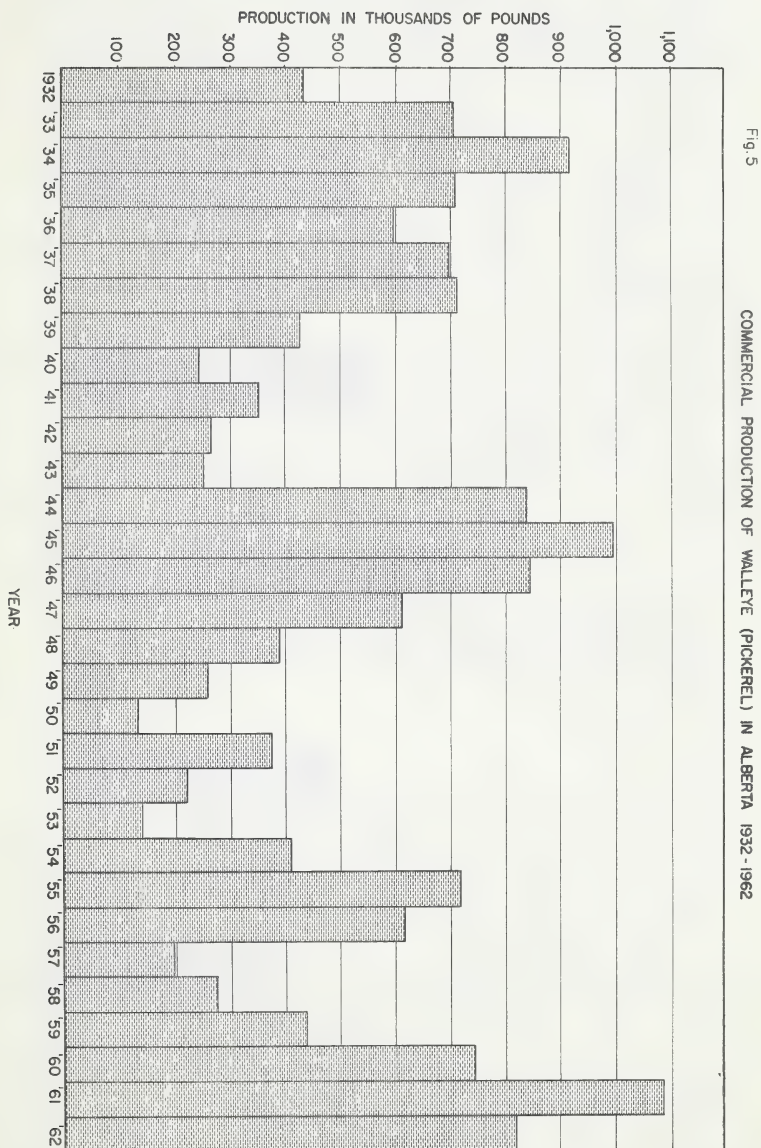


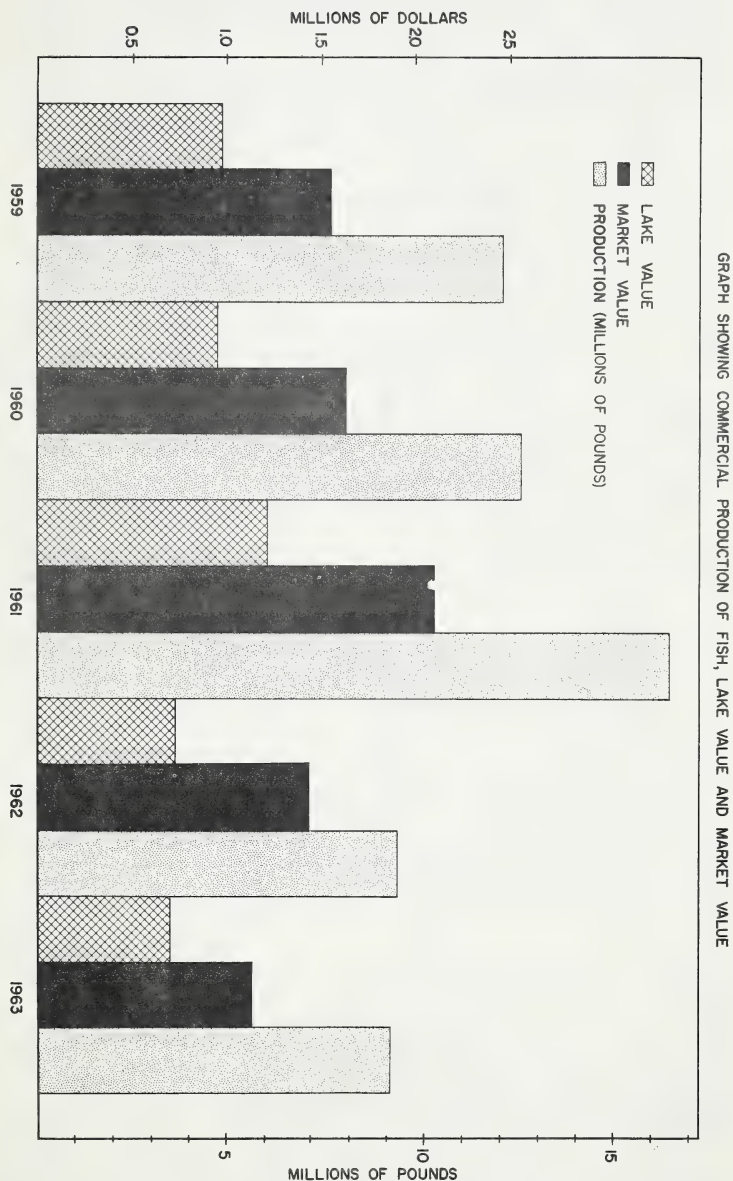
Fig. 4





QUANTITIES AND VALUE OF FISH CAUGHT AND MARKETED

Species	Period	Weight (lbs.)	Value to Fishermen	Value as Marketed
Whitefish	April 1/62 to Sept. 30/62	1,238,335	\$ 156,924.39	\$ 287,068.59
	Oct. 1/62 to Dec. 31/62	546,056	65,455.80	119,586.17
	Jan. 1/63 to Mar. 31/63	650,806	122,318.01	168,373.21
			2,435,197	\$ 344,698.20
Trout (Lake)	April 1/62 to Sept. 30/62	2,941	618.01	1,029.35
	Oct. 1/62 to Dec. 31/62	1,100	165.00	407.00
	Jan. 1/63 to Mar. 31/63	6,247	690.17	2,179.05
			10,288	1,473.18
Pike	April 1/62 to Sept. 30/62	923,088	29,752.12	105,355.08
	Oct. 1/62 to Dec. 31/62	242,450	13,725.51	29,444.21
	Jan. 1/63 to Mar. 31/63	282,756	17,559.60	28,439.22
			1,448,294	61,037.23
Pickrel	April 1/62 to Sept. 30/62	389,256	40,305.34	96,828.74
	Oct. 1/62 to Dec. 31/62	51,870	7,614.20	14,925.22
	Jan. 1/63 to Mar. 31/63	72,212	11,761.68	25,214.43
			513,338	59,681.22
Perch	April 1/62 to Sept. 30/62	26,958	2,017.59	3,774.12
	Oct. 1/62 to Dec. 31/62	1,638	103.08	232.52
	Jan. 1/63 to Mar. 31/63	19,857	3,153.25	3,398.53
			48,453	5,273.92
Tullibee	April 1/62 to Sept. 30/62	1,771,334	85,045.19	104,518.49
	Oct. 1/62 to Dec. 31/62	1,724,504	78,728.02	95,368.83
	Jan. 1/63 to Mar. 31/63	556,186	22,673.18	25,945.99
			4,052,024	186,446.39
Mixed Fish (ling, suckers & goldeyes)	April 1/62 to Sept. 30/62	366,321	15,151.28	22,383.20
	Oct. 1/62 to Dec. 31/62	93,590	3,541.31	4,380.43
	Jan. 1/63 to Mar. 31/63	72,118	2,705.75	2,875.47
			532,029	21,398.34
The above includes 13,540 lbs. of goldeyes caught from April 1 to Oct. 31 in Lake Athabasca - Value to Fishermen - \$1,496.52; Value as Marketed - \$5,059.70				\$ 680,008.48
				\$ 1,141,727.85



LICENCES

Kind	1958-59	1959-60	1960-61	1961-62	1962-63
	No.	No.	No.	No.	No.
Angling Permits	129,167	135,243	138,837	119,773	122,123
Domestic Fishery Licences	133	149	146	75	78
Fisherman's Licences	6,415	7,088	7,425	5,211	4,412
Commercial Fishery Licences	184	212	237	221	151
Fish Dealer's Licences	99	86	109	104	84
Total	135,998	142,778	146,754	125,384	126,848

COMMERCIAL PRODUCTION OF FISH

Species	1958-59	1959-60	1960-61	1961-62	1962-63
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
Whitefish	4,182,729	4,377,844	5,821,768	3,553,462	2,435,197
Trout	23,762	16,491	72,458	52,435	10,288
Pike	690,657	752,842	976,922	904,429	1,448,294
Pickrel	436,304	738,783	1,086,566	822,970	513,338
Perch	47,141	128,503	98,938	87,545	48,453
Tullibee	5,560,153	5,630,789	8,060,352	3,358,179	4,052,024
Mixed Fish	1,210,904	810,083	597,714	476,577	518,489
Goldeyes			5,182	7,899	13,540
Total	12,151,650	12,455,335	16,719,900	9,263,496	9,039,623

	Weight Lbs.	Value to Fishermen \$	Value as Marketed \$
Totals for year 1958-59	12,151,650	980,525.06	1,553,410.24
Totals for year 1959-60	12,455,335	955,053.07	1,649,462.20
Totals for year 1960-61	16,719,900	1,227,639.61	2,178,538.51
Totals for year 1961-62	9,263,496	723,111.41	1,416,378.27
Totals for year 1962-63	9,039,623	680,008.48	1,141,727.85

FISH EXPORTED FROM ALBERTA 1962-63

Species	Canadian Markets Lbs.	U.S.A. Markets Lbs.	Totals Lbs.
Whitefish	175,064	1,174,319	1,349,383
Trout		6,782	6,782
Pickrel	51,777	277,018	328,795
Perch	1,439	28,893	30,332
Pike	57,457	69,117	126,574
Tullibee	3,644	96,200	99,844
Suckers	11,960		11,960
Total	301,341	1,652,329	1,953,670

Prosecutions for year 1962-63 (commercial fishing).....117

Prosecutions for year 1962-63 (angling).....334

WILDLIFE

Game Birds

Weather conditions in many parts of Alberta had a great influence on upland game bird nesting success in 1962. Heavy precipitation in April in the form of rainfall and early May in the form of snow caused some nest desertion by native grouse in early spring. During this period clutches of eggs were lost owing to freezing and flooding. Some juvenile mortality was experienced in mid June following unseasonable heavy rains in northern Alberta.

Mid summer game bird densities during 1962 in northwestern Alberta indicate the severity of weather conditions during the period of egg laying, incubation and juvenile bird rearing.

Table I

Mid Summer Game Bird Densities 1962
Northern Districts

	Zone	Game Birds Per Mile	Juveniles Per Mile	Juveniles Per Adult
1961	12 & 16	0.4	0.3	4.2
	16 & 18	0.2	0.2	3.5
1962	12 & 16	0.1	0.6	1.4
	16 & 18	T*	T*	1.3

T* = less than 0.1

Table I demonstrates an approximate 35% decline in juvenile production in 1962 over the previous year in northern Alberta.

The effect of inclement weather during the spring is clearly demonstrated in Tables II and III. Table II indicates a drop in average brood size for ruffed grouse and Hungarian partridge. The effect of weather conditions upon nesting success is seen in Table III which compares juvenile production in 1961 and 1962 and further compares two districts each of which experienced different degrees of precipitation during the spring of 1962.

Table II

Average Brood Sizes
Northern Districts

	Sharp-tailed Grouse	Ruffed Grouse	Hungarian Partridge
1961	8.0	9.2	15.0
1962	9.4	5.7	8.6

Table III

Game Bird Production						
			Juveniles Per Adult	% Juveniles In Population		
		Weather Conditions	Sharptails	Ruffed	Sharptails	Ruffed
1961	Zone 18	Dry	1.6	1.6	61	61
1962	Peace River	Wet	0.3	0.4	23	29
	Valleyview	Dry	2.3	1.6	70	62

Conditions in central and southern Alberta were more favourable for upland game bird nesting.

Waterfowl breeding conditions were sub-optimal in central and southern Alberta again this year. The waterfowl breeding population declined 23% over the 1961 level. Severe drought existed in all but northern regions. Precipitation in mid summer increased water bodies by 50% in central Alberta but this had no marked effect on total waterfowl production. Production was lower than for the previous year and a significant reduction in the fall waterfowl flight was anticipated.

The Provincial Game Farm Pheasant Hatchery stocked over 5,000 pheasants in the province in 1962. Table IV gives a breakdown of the production and distribution of ringneck pheasants in the province since 1953. The 1962 fall juvenile pheasant stocking itinerary is presented in Table V.

Table IV

PRODUCTION AND DISTRIBUTION OF RING-NECKED PHEASANTS FROM THE PROVINCIAL GAME FARM

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	Total	Average
Eggs Produced	11,846	12,807	14,783	16,982	14,970	14,561	16,065	14,276	14,264	14,367	144,921	14,492
% Cracked or Infertile	8.9	13.6	10.5	15.6	18.2	11.7	12.5	16.7	16.3	14.5		
Eggs Set	11,038	11,867	8,568	6,750	6,920	12,235	14,110	10,448	12,705	12,576	107,217	10,722
% Hatchability	66.9	64.5	68.7	65.6	62.0	67.7	68.5	58.7	60.5	60.6		
Chicks Hatched	7,384	7,674	5,993	4,430	4,297	8,282	9,660	6,317	7,527	7,564	69,128	6,913
% Survival to Release Age	93.1	90.7	88.6	92.3	94.6	93.8	90.0	96.8	91.3	95.0		
Eggs to University of Alberta				1,440	1,440	1,440	1,440	1,440	1,440	1,440	10,080	1,440
Chicks to Sportsmen's Clubs						1,865	3,500	1,150	1,975	1,775	10,265	2,053
Chicks Released	6,558	6,244	4,507	3,707	3,844	4,308	4,040	3,547	4,170	4,397	45,322	4,532
Adult Birds Released	633	637	601	607	489	549	545	705	572	606	5,944	594
TOTAL RELEASED	7,191	6,881	5,108	4,314	4,333	4,857	4,585	4,252	4,742	5,003	51,266	5,127

Hunting Season

Early season hunter success in terms of birds bagged per hunter as determined from opening day hunter contacts is presented in Table VII. Hunting success expressed in terms of effort required per bird bag is presented in Table VIII. The data in Table IX allow comparisons of upland game bird hatching successes and productivities in various districts in Alberta. In those species in which both male and females are harvested, namely; Hungarian partridge, sharptail grouse and ruffed grouse, a direct comparison may be made for each area between these three species.

The above data indicate a marked reduction in the waterfowl and upland game bird harvest. This is attributable to drought conditions and a decline in waterfowl production. The upland game bird harvest, of which native grouse constitute a significant proportion, declined sharply following what appears to be a regular ten year peak in abundance.

Species composition of the upland game bird and the waterfowl harvest during 1962 is charted on following pages. These figures give some indication of the relative importance of the various upland and waterfowl species hunted.

Big Game

In 1962 the big game season extended from September through early December in the various zones in the province. Some estimations of big game harvest by species and zones are given in Table X. Data are obtained from checking station hunter contacts and hunter questionnaires.

Big game hunter success in terms of days hunting required to bag an animal is presented by zones in Table XI.

The collection of information on hunter success, hunter effort, trips per hunting party and biological factors such as species composition of the harvest, age and sex composition of the harvest, weights, incidence of pregnancy and incidence of disease and parasites etc., has only been obtained through a system of strategically located checking stations during both big game and bird game seasons each year. These stations (see map) and the hunter co-operation received during the open seasons has been one of the major tools used in the management of both big game and bird game species.

Wildlife Research

In the process of conducting detailed investigations and planned research on many wildlife species, animals are live-trapped, tagged and subsequently released each year. The trapping and tagging information for three of the wildlife species currently being investigated is presented in Table XIII. In the case of bighorn sheep and pronghorn antelope, in addition to the metal ear tag inserted in the ear of each captured animal, a plastic flasher has also been attached to the ears to assist in field identification of handled animals.

Table VII

OPENING DAY HUNTER SUCCESS 1962

NO. BAGGED

	Eastern I. D.	Western I. D.	Claresholm	Lethbridge	Camrose	Central Parklands	Edmonton District	Northwestern District
Ducks Per Hunter					1.1	0.8	0.8	
Geese Per Hunter					0.1	0.1		
Waterfowl Per Hunter	0.1	0.5	0.1	0.2	1.2	0.9	0.8	
Upland Birds Per Hunter	2.6	1.8	1.5	1.5	1.1	0.8	0.7	
Game Birds Per Hunter	2.7	2.3	1.6	1.7	2.3	1.7	1.5	1.3

Table VIII

OPENING DAY HUNTER SUCCESS 1962

	Eastern I. D.	Western I. D.	Clareholm District	Lethbridge District	Camrose District	Central Parklands	Northwestern District
Hours Per Duck Bagged					6.5	8.9	
Hours Per Upland Bird Bagged					5.9	8.9	12.6
Hours Per Game Bird Bagged	3.2	2.9	3.2	3.2			

Table IX

JUVENILES PER ADULT IN THE HARVEST, 1962

DISTRICT	Ringnecked Pheasant	Hungarian Partridge	Sharptailed Grouse	Ruffed Grouse
Western Irrigation	19.3	3.0		
Eastern Irrigation	7.5			
High River	9.5	2.8		
Lethbridge	8.1	3.3		
Camrose South		4.0	1.5	1.1
Camrose North		2.7	1.0	1.7
West - Central		2.0	0.3	0.6
North - East	4.8	2.4	1.4	2.1

Table X

Estimated Big Game Harvest, 1962

Approximate Number Shot

Zone	Moose	Elk	Deer	Caribou	Bighorn Sheep	Rocky Mt. Goat	Bear	Antelope
1 & 2	70	65	?		4	12	?	
3 & 4	170	50	1,000		8	1	?	
5	40	?	?		5	5	?	
6	175	?	?		21	7	?	
7	?	?	?		10	48	?	
8	?	?	?		?	2	?	
9 & 10	775	900	800		83	87	?	
11								
12	490	530	360		25	7	20	
13	220	10	215					
14	265	125	415	30	60	77	50	
15	765	30	505					
16								
17 - 20	1,730		625					
21 & 22								2,320
TOTAL	4,700+	1,710+	3,920+	30	216	246	70	2,320

Table XI

Big Game Hunter Success, 1962

Zone	Days Hunted Per Animal Bagged
12 & 13	11.3
14	9.8
15	5.3
17	10.0
20	8.1
21	6.0
1 - 7	11.3
21 & 22 (Antelope only)	0.6

Table XII

Approximate Species Composition of The Big Game Harvest 1962

Percentage of Total Zone Kill

Zone	Moose	Elk	Deer	Caribou	Bighorn	Goat	Bear
9 & 10	29.3	34.0	30.2		3.2	3.3	
12	34.2	37.1	25.2		1.8	0.3	1.4
13	49.3	2.0	48.6				
14	26.0	12.3	40.6	2.9	5.9	7.4	4.9
15	59.0	2.2	38.8				
18	83.4		16.6				
17, 19 & 20	67.4		32.6				

Table XIII

Wildlife Trapping and Tagging

Number Trapped and Processed *

	1958	1959	1960	1961	1962	Total
Muskrat	861	927	1,026	282		3,096
Bighorn Sheep			79	17		96
Pronghorn Antelope			7	9	140	156

*Processed means tagged and released or donated to scientific institutions.

Fur Bearers

The production of wild fur in Alberta in terms of the total average value, has shown a slight increase since 1955. Important wild fur production trends since 1941 are illustrated on page 89. The trend in number of pelts processed since 1942 for four of the most important fur bearers is illustrated in Figure 12.

The results of divisional efforts to live-trap and transplant nuisance beaver is presented in Table XIV.

Table XIV

Beaver Live-trapping and Transplanting

District	Beaver Trapped
Edmonton	57
Ponoka	87
Whitecourt	8
Grande Prairie	14
Wainwright	6
Mirror	9
Sturgeon River	22
Andrew	30
St. Paul	70
Rocky Mountain House	8
North Saskatchewan River	32
Others	42
TOTAL	385

ALBERTA FUR PRODUCTION - SEASON 1962-63

(WILD FUR)			
	Total Number of Pelts	Average Value of Pelts	Total Value of Pelts
Badger	64	\$ 2.17	\$ 138.88
Bear	108	14.00	1,512.00
Beaver	50,462	14.11	712,018.82
Ermine	36,547	.95	34,719.65
Fisher	478	8.22	3,929.16
Silver Fox	38	2.75	104.50
Cross Fox	132	2.86	377.52
Red Fox	339	2.96	1,003.44
White Fox	24	24.93	598.32
Blue Fox	3	6.50	19.50
Lynx	11,251	15.27	171,802.77
Marten	538	13.10	7,047.80
Mink	9,563	13.73	131,299.99
Muskrat	204,532	1.51	308,843.32
Otter	38	16.71	634.98
Jack Rabbits	45,761	.32	14,643.52
Skunk	18	.36	6.48
Squirrel	799,531	.51	407,760.81
Coyote	5,086	5.29	26,904.94
Timber Wolves	200	12.00	2,400.00
Wolverine	18	19.00	342.00
	1,164,731		\$1,826,108.40

GAME

COMPARISON OF THE NUMBER OF GAME LICENCES SOLD

	1959	1960	1961	1962
Resident Bird Game Licences	91,560	104,123	87,551	85,932
Non-Resident (Canadian) Bird Game Licences	486	619	675	730
Non-Resident (Non-Canadian) Bird Game Licences	813	920	848	739
Resident Big Game Licences	46,986	62,116	59,227	67,566
Non-Resident (Canadian) Big Game Licences	25	26	17	23
Non-Resident (Non-Canadian) Big Game Licences	239	256	260	326

GAME LICENCES

APRIL 1st, 1962 to MARCH 31st, 1963

KIND	Licences	Fee	Total Amount
Resident Bird Game Licences	85,932	3.50	\$300,762.00
Non-Resident (Canadian) Bird Game Licences	730	5.00	3,650.00
Non-Resident (Non-Canadian) Bird Game Licences	739	25.00	18,475.00
Resident Big Game Licences	67,566	6.00	405,396.00
Non-Resident (Canadian) Big Game Licences	23	50.00	1,150.00
Non-Resident (Non-Canadian) Big Game Licences	326	100.00	32,600.00
Permit to Collect	38	FREE	
Taxidermist's Licences	52	5.00	260.00
Guide's Licences (Class "A" & "B")	320	2.50	800.00
Guide's Licences (Class "C")	21	1.00	21.00
Game Farms (Game Birds)	43	5.00	215.00
Game Farm (Big Game Animals)	1	100.00	100.00
Outfitter's Licences	55	25.00	1,375.00
Resident Trapper's Licences	3,494	3.00	10,482.00
Dog Trainers	13	Various	165.00
Resident Spring Bear Licences	363	5.00	1,815.00
Non-Resident Spring Bear Licences	9	25.00	225.00
Resident Sheep Licences	1,121	7.50	8,407.50
Resident Goat Licences	467	7.50	3,502.50
Resident Antelope Licences	3,075	5.00	15,375.00
White-Tail Deer Tags	6,057	2.00	12,114.00

BOUNTY ON COUGARS - SEASON 1962-63

Cougars killed from APRIL 1st, 1962 to MARCH 31st, 1963

34 Cougars at \$15.00	\$510.00
17 Cougars at \$40.00	680.00

CONVICTIONS UNDER THE GAME ACT - 1962-63

Number of Convictions	1,092
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CONFISCATED FURS

Amount realized from the sale of confiscated fur during the period April 1st, 1962 to March 31st, 1963	\$5,089.65
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TRAPLINE REGISTRATIONS

Number of Registered Trap-Lines and Revenue April 1st, 1962 to March 31st, 1963	2,619 @ \$10.00	\$26,190.00
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FUR DEALERS' LICENCES, ETC.

April 1st, 1962 to March 31st, 1963

KIND	NUMBER	REVENUE
Resident Fur Dealer's Licence to carry on business in a city, and elsewhere than in a city	164	1,620.00
Non-Resident Fur Dealer's Licences to carry on business in the Province	2	200.00
Resident Travelling Fur Purchasing Agent's Licences	11	275.00
Furrier's Licences	20	200.00
Tanner's Licences	6	60.00

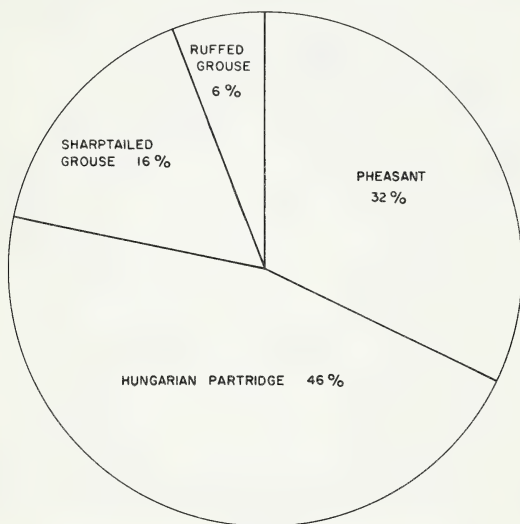
FUR TAX REVENUE

Amount Collected	\$82,961.39
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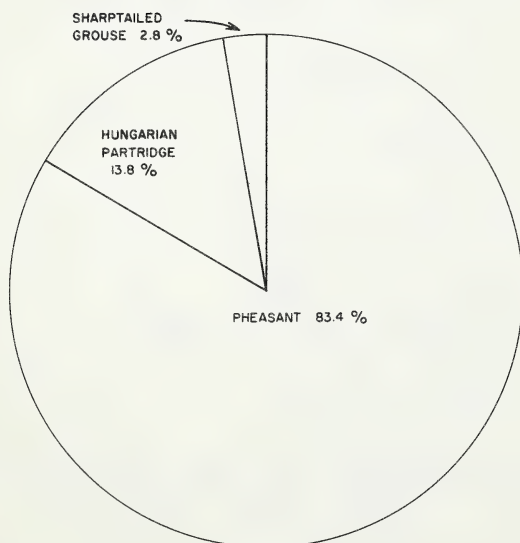
MUSKRAT AND BEAVER

Muskrat Permits issued free (Damage to Farmers' Lands, Roads & Irrigation)	47
Muskrat reported taken	180
Beaver Permits issued free (Damage to Farmers' Lands, Roads & Irrigation)	443
Beaver reported taken	487

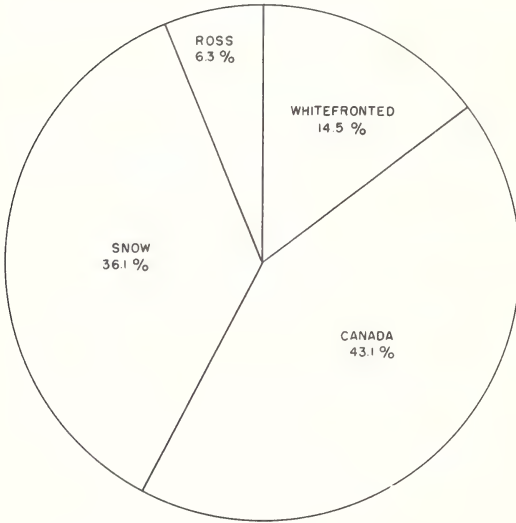
SPECIES COMPOSITION OF THE UPLAND GAME BIRD HARVEST 1962



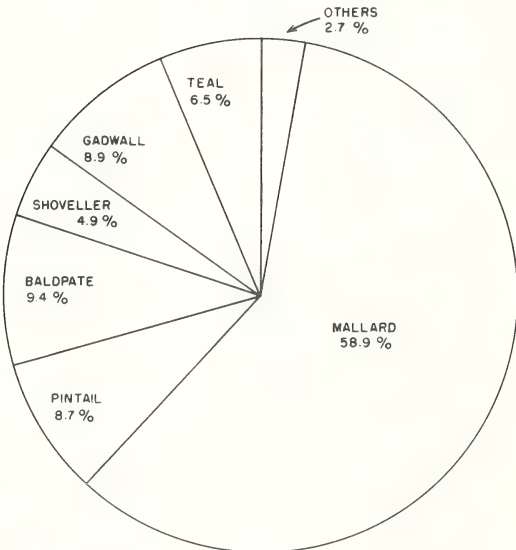
CAMROSE



SOUTHERN DISTRICTS

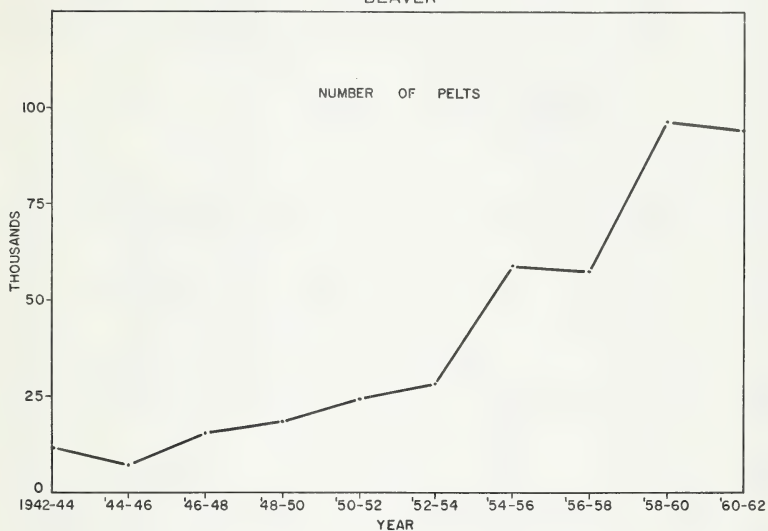
SPECIES COMPOSITION OF THE WATERFOWL HARVEST 1962
CENTRAL PARKLANDS

GEESE

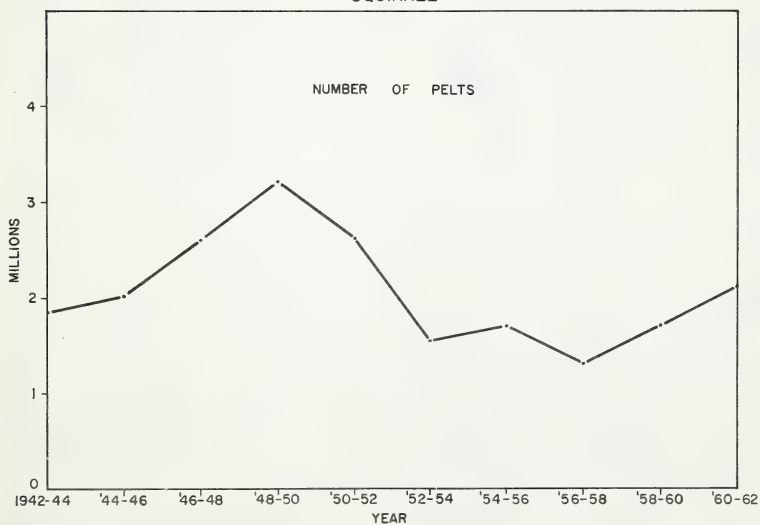


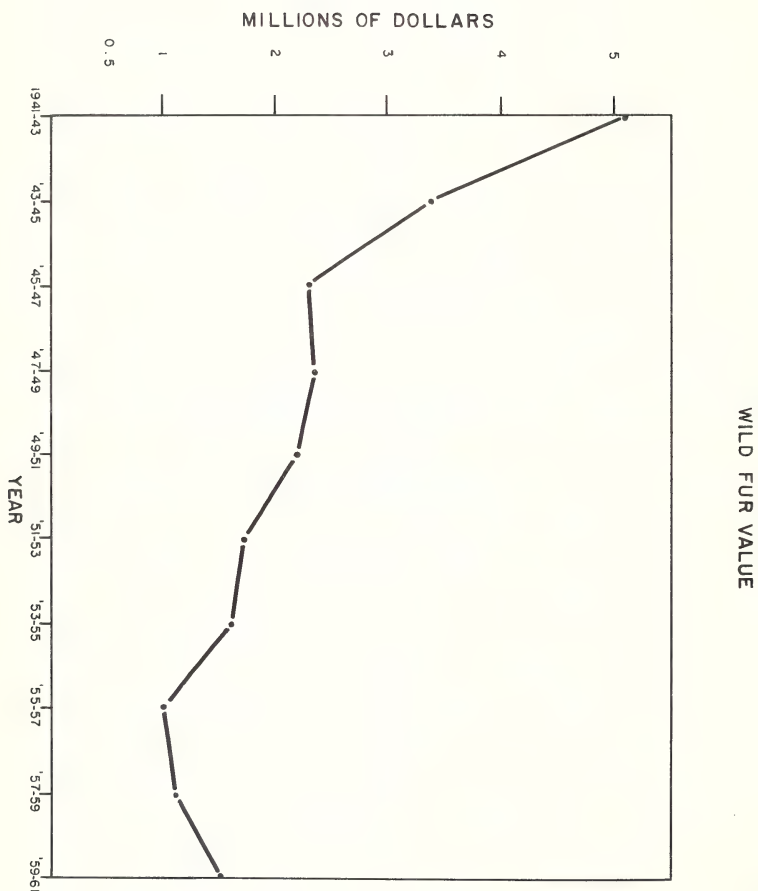
DUCKS

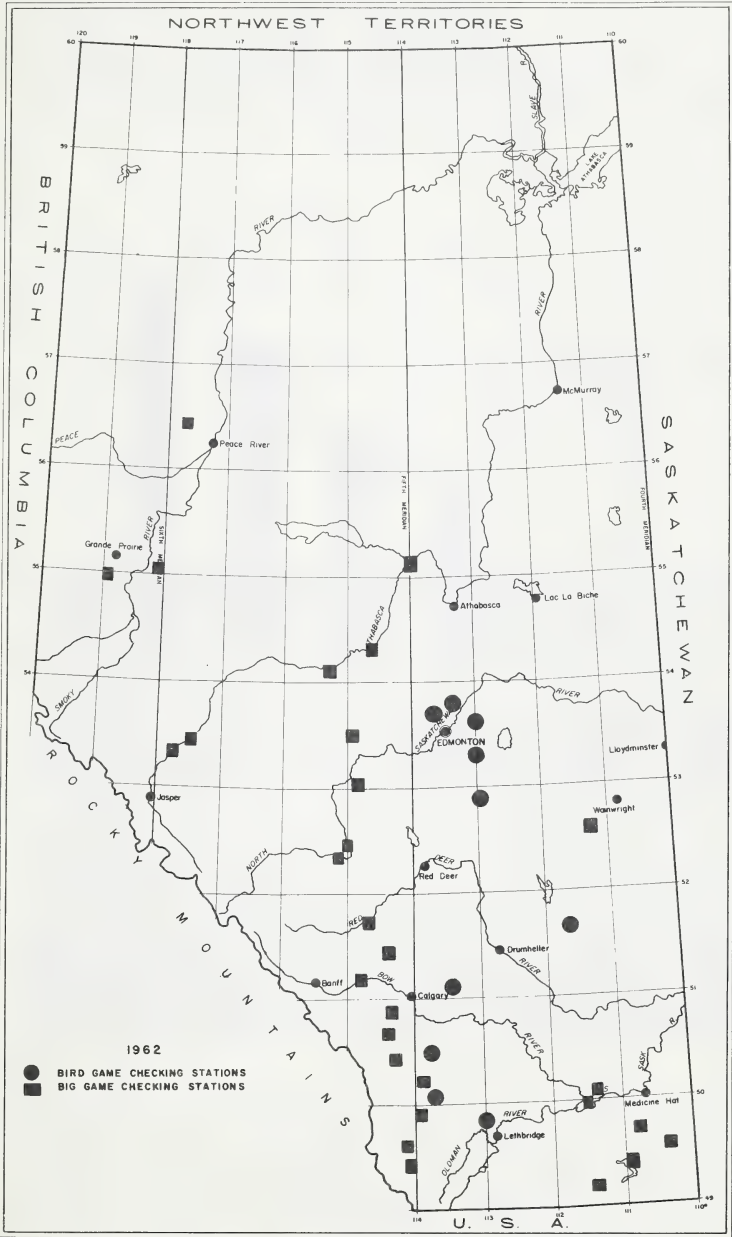
BEAVER



SQUIRREL





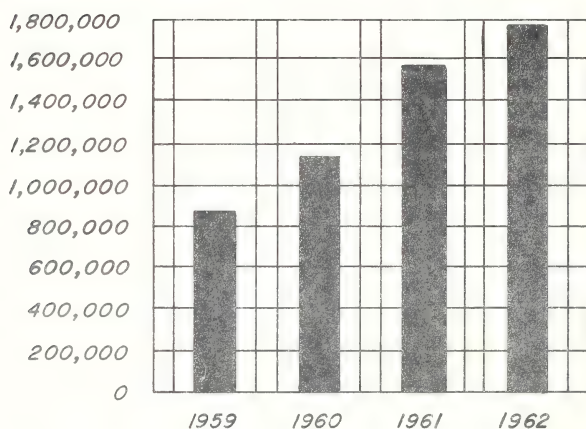


PROVINCIAL PARKS ADMINISTRATION

Report of the Provincial Parks Commissioner

E. P. SHAVER

The past fiscal year featured continued progress and development in all phases of Provincial Parks administration. Public patronage of park facilities is increasing each year, indicating widespread acceptance of the program of development undertaken to date.

***TOTAL YEARLY ATTENDANCE FOR ALL PROVINCIAL PARKS***

During the past year, one additional Park (Big Knife Provincial Park) and two Historical Sites (Shaw Woolen Mills and Rev. George McDougall) were established, bringing the total number of Parks being developed in the Province to 38. Three of these are in an active development stage. There are also 18 fully established Historical Sites.

Due to the expanding facilities, more warehouse and shop space became an urgent requirement. It was necessary in the fall of 1962 to secure larger warehouse and shop space and a building was obtained in North Edmonton located on approximately one acre of ground and providing 13,000 square feet of storage and work space. These new premises provide adequate facilities for the manufacture and handling of supplies, storage and bulk distribution, bringing more efficient services to parks throughout the Province.

In addition to the many improvements and facilities extended within the Provincial Parks during the past year, the following items were also provided:

1100	Picnic Tables
116	Picnic Stoves
65	Picnic Benches
18	Open Fireplaces
2	Garages
2	Utility Buildings
1	Residence

The administrative duties of the Provincial Parks Branch were carried out by a permanent staff of 21, which includes 6 full time wardens. In addition, 14 full time caretakers plus 47 assistant caretakers were employed plus part time and casual help hired on wages to assist in the maintenance of the various Parks.

The continued interest and the assistance given by the Chairman, Dr. V. A. Wood and the two members of The Provincial Parks Board, Messrs. E. S. Huestis and T. Drinkwater is appreciated.

The staff members of the Provincial Parks Branch have displayed devotion and zeal in the performance of their many and varied duties.



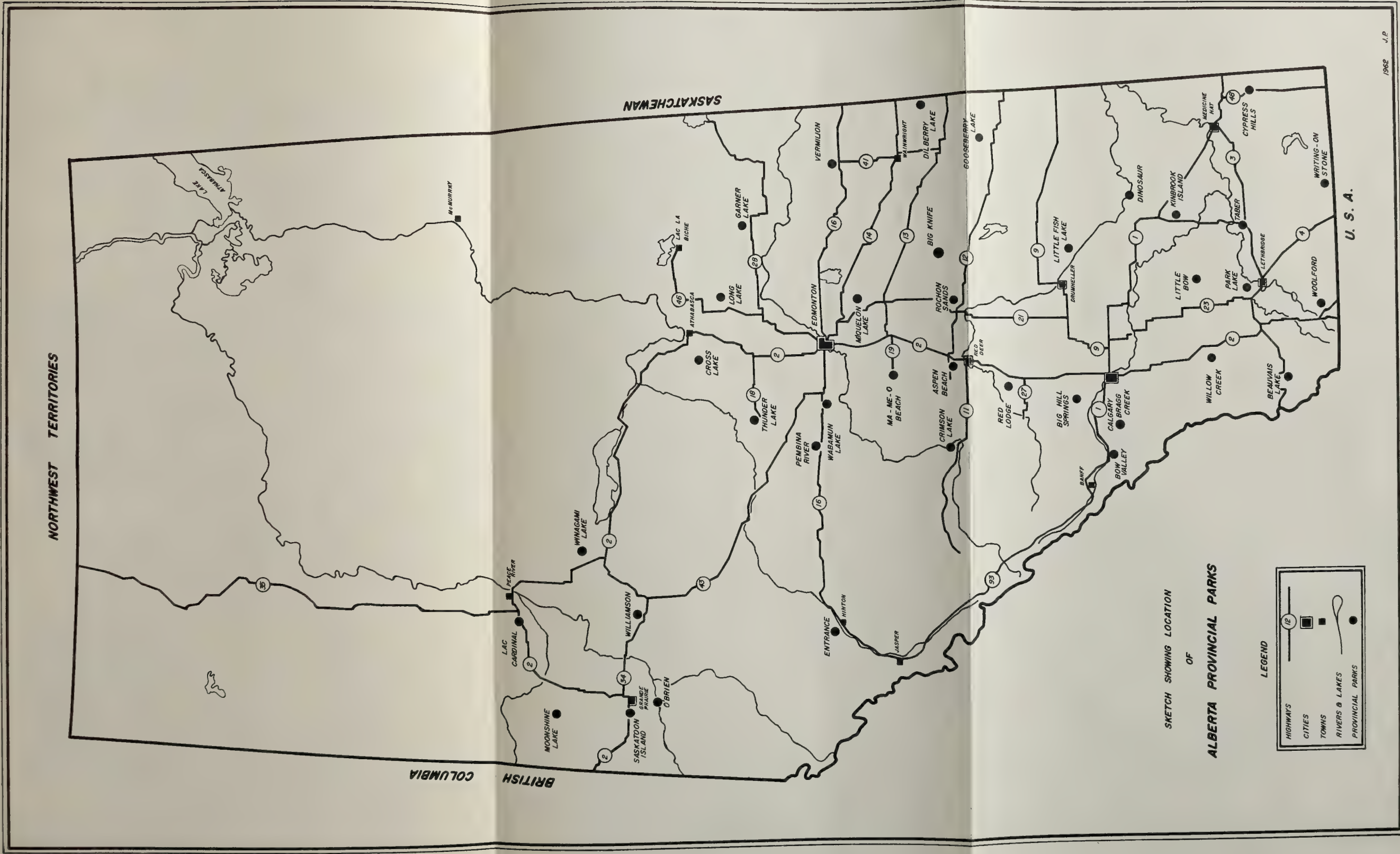
ASPEN BEACH PROVINCIAL PARK

The following is a summary of income and expenditures
for Provincial Parks for the past fiscal year:

Name of Park	Revenue Rec'd by Parks	General Trust Expenditure by Parks	Approp. 1922-B Expenditure by Parks
Salaries			\$100,077.53
Administration		\$ 3,182.71	\$ 46,110.14
Aspen Beach	\$ 78.20	\$29,716.00	\$ 48,020.55
Beauvais Lake	\$ 584.92		\$ 8,404.46
Big Hill Springs	\$ 5.00		\$ 4,879.21
Big Knife		\$ 3,455.87	
Bow Valley	\$ 1,140.41		\$ 77,687.73
Bragg Creek	\$ 117.23		
Crimson Lake	\$ 986.12	\$ 342.42	\$ 13,939.14
Cross Lake	\$ 56.00		\$ 6,207.89
Cypress Hills	\$33,536.43	\$ 650.00	\$ 61,605.72
Dillberry Lake	\$ 4,285.00	\$ 4,886.55	\$ 2,810.32
Dinosaur	\$ 451.00		\$ 12,605.73
Entrance			\$ 8,026.58
Garner Lake	\$ 98.85		\$ 10,622.47
Gooseberry Lake	\$ 353.04	\$ 2,500.00	\$ 4,177.35
Kinbrook Island	\$ 729.70		\$ 8,127.69
Lac Cardinal	\$ 1.00		\$ 6,698.49
Little Bow	\$ 202.00		\$ 5,223.08
Little Fish Lake			\$ 1,711.18
Long Lake	\$ 528.00		\$ 18,408.54
Ma-Me-O Beach			\$ 1,508.96
Miquelon Lake	\$ 30.00		\$ 22,234.50
Moonshine Lake	\$ 101.00		\$ 9,775.12
O'Brien			\$ 2,216.23
Park Lake	\$ 5.00		\$ 9,379.00
Pembina River	\$ 9.16		\$ 8,137.38
Red Lodge	\$ 258.50		\$ 9,088.07
Rochon Sands	\$ 38.00		\$ 4,991.82
Saskatoon Island	\$ 323.25		\$ 3,766.59
Stephansson (Historical Site)	\$ 1.00		
Taber	\$ 72.00		\$ 4,262.81
The Vermilion	\$ 1,172.28		\$ 9,448.67
Thunder Lake		\$ 320.00	\$ 6,467.27
Wabamun Lake	\$ 1,492.00		\$ 67,482.06
Williamson	\$ 81.00		\$ 6,352.46
Willow Creek			\$ 1,541.94
Winagami	\$ 518.25		\$ 16,338.08
Woolford			\$ 3,103.34
Writing-on-Stone	\$ 409.65		\$ 4,596.13
Mobile Equipment			\$ 43,463.24
General Equipment			\$ 865.02
Workshop			\$ 21,676.03
Warehouse			\$ 49,380.71
Historical Sites			\$ 3,969.76
Five Year Programme			\$ 61,331.87
TOTAL	\$47,663.99	\$45,053.55	\$816,720.86
Winter Works Program - Parks General			\$ 81,673.90

PARK	Leases as of March 31, 1962	Applications Outstanding as of March 31, 1963	Leases Cancelled April 1, 1962 to March 31, 1963	Assignments April 1, 1962 to March 31, 1963	Leases Issued	Leases as of March 31, 1963
BEAUVAIS LAKE	40	-	-	3	6	40
CRIMSON LAKE	90	-	-	5	1	91
CYPRESS HILLS	235	-	6	21	51	270
DILLBERRY LAKE	30	-	-	-	3	33
GOOSEBERRY LAKE	13	-	-	-	-	13
KINBROOK ISLAND	55	-	3	3	1	53
THE VERMILION	8	-	1	-	-	7
WINAGAMI LAKE	22	-	-	-	2	24
	493	-	10	32	58	531

PROVINCIAL		HISTORICAL		SITES	
NAME	AREA			NEAREST TOWNS OR CITIES	
ATHABASCA LANDING	3 ACRES			ATHABASCA	
BUCKINGHAM HOUSE	6 ACRES			ELK POINT	
CORONATION BDY. MARKER	25 ACRES			CASTOR	
EARLY MAN SITE	1 ACRE			FT. MACLEOD	
FORT DE L'ISLE	107 ACRES			MYRNAM ELK POINT	
FORT GEORGE	1 ACRE			ELK POINT	
FORT VERMILION	2 ACRES			MARWAYNE	
FORT VICTORIA	1 ACRE			PAKAN SMOKY LAKE	
FORT WHITE EARTH	5 ACRES			SMOKY LAKE	
FROG LAKE MASSACRE	1 ACRE			ST. PAUL FROG LAKE	
HAY LAKES TELEGRAPH STATION	0.89 ACRES			HAY LAKES	
MASSACRE BUTTE	1 ACRE			LUNDBRECK COWLEY	
REV. GEORGE M ^C DOUGALL	0.46 ACRES			CALGARY	
RIBSTONES	2 ACRES			VIKING KINSELLA	
SHAW WOOLEN MILL	0.25 ACRES			CALGARY	
STANDOFF	1 ACRE			STANDOFF FT. MACLEOD	
STEPHANSSON	12 ACRES			MARKERVILLE	
TWELVE FOOT DAVIS	2 ACRES			PEACE RIVER	

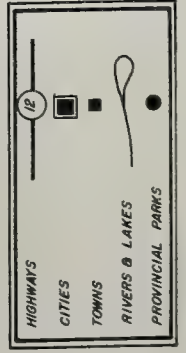


SKETCH SHOWING LOCATION

OF

ALBERTA PROVINCIAL PARKS

LEGEND



TECHNICAL DIVISION

Report of the Director of the Technical Division

T. A. DRINKWATER

The area patented during the fiscal year ending March 31st, 1963 showed a significant increase insofar as land sales were concerned. The area patented for land sales was more than double the previous year and this accounted for the basic difference in the total area patented over the previous year.

A schedule of Notifications issued and a breakdown of same are shown hereunder:

NOTIFICATIONS ISSUED DURING FISCAL YEAR

April 1st, 1962 to March 31st, 1963

(Surface rights only)

Classification	Notifications	Area
Homesteads	306	78,777.370 acres
Sales (including lots in subdivisions)	335	51,471.790 acres
School Land Sales	45	7,893.450 acres
Notifications to Minister of Lands & Forests	32	98,854.095 acres
Exchanges of Land	11	3,199.160 acres
Transfer of Administration and Control	5	18,645.570 acres
Release of Habendum Clause (including lots in subdivisions)	5	14.000 acres
Special Grants and Free Grants	5	51.700 acres
Homestead Sales	38	9,742.600 acres
Homestead Lease Loan Sales	14	4,309.670 acres
Modification of Habendum Clause	1	3.020 acres
Rectification of Title	1	1.000 acres
Sales, Special Grants & Free Grants combined	1	6.530 acres
	<u>799</u>	<u>272,969.955 acres</u>

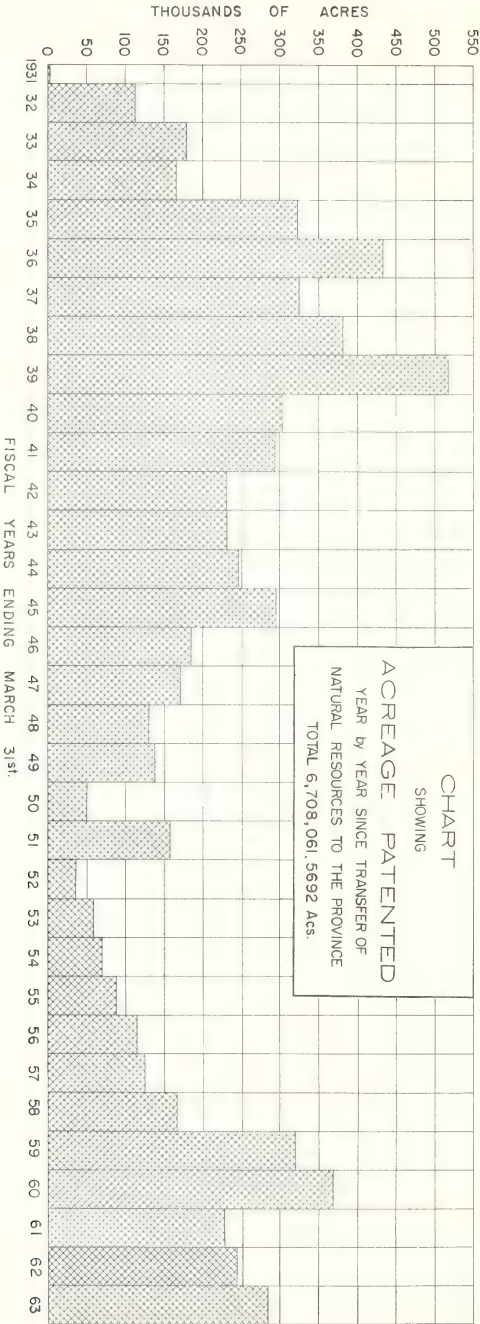
NUMBER OF SALES IN SUBDIVISIONS WHICH ARE INCLUDED
IN THE 335 NOTIFICATIONS REFERRED TO ABOVE

Subdivision	Notifications	No. of Lots	No. of Blocks	Acres
Whitecourt 3746 K.S.	12	16	3	1.38
Whitecourt 4072 M.C.	1	70	4	
Whitecourt Addition 4421 K.S.	2	2	2	2.40
Harvie Heights 6402 H.X.	11	11	8	
Thunder Lake 6671 K.S.	3	3	2	
Long Lake 6818 K.S.	2	2	2	
Calling Lake 3798 K.S.	3	3	2	
Lodgepole 3504 K.S.	2	2	2	
High Level 3510 K.S.	1	2	1	
Cardston 1793 E	1	1	1	
Rocky Mtn. House 4065 K.S.	1	1	1	
Ft. Smith Settlement	1	1		6.89
Drystone 4065 M.C.	1	1		9.57
	<u>41</u>	<u>115</u>	<u>28</u>	<u>20.24</u>

Area not stated in 35 notifications - 35 sales

Total number of Notifications in
which area stated 764

Total number of Notifications 799



LAND SETTLEMENT SURVEYS

Township 104, Ranges 16 and 17, West 5th Meridian, in the Fort Vermilion area was surveyed during the fiscal year to provide additional lands for settlement along the new highway from Paddle Prairie to Fort Vermilion. Sections 1 to 12 in Township 70, Range 7, West of the 6th Meridian were completed as well as Sections 31 to 36, Township 74, Range 3, West of the 6th Meridian, in the Grande Prairie area. The survey season was characterized by extreme wet weather.

MISCELLANEOUS SURVEYS

Requests for miscellaneous surveys have remained constant for a number of years and the following surveys were carried out, plans were drawn and registered, when required, in the respective Land Titles Offices:

Three Sisters Subdivision - The large Lot 3 in Block 3 of the previously registered survey of Three Sisters Subdivision was subdivided into three smaller lots and these lots were made available for disposition.

Smith Townsite - Crown lands were surveyed in the immediate vicinity of the Townsite of Smith in Township 71, Range 1, West of the 5th Meridian to provide lots to alleviate a squatter situation and in addition a forestry headquarters site was surveyed in the area.

Forestry Site - Fort McMurray - A site was surveyed in the Townsite of Fort McMurray for the Forestry Branch adjacent to the Clearwater River. The site was subsequently purchased from the private owner by the Department.

Anzac - A small subdivision was carried out at Anzac, Alberta in Township 86, Range 7, West of the 4th Meridian to provide lots to accommodate settlers, etc. in the area and to prevent a possible squatter development. This survey was carried out in conjunction with the survey at Fort McMurray.

Little Bow Provincial Park - Surveys were carried out at Little Bow Provincial Park for the purpose of setting out the boundaries of the Park and also to survey additional lands being acquired for Provincial Park purposes.

McLeod Fort Historical Site - A survey of private lands in the Shaftesbury Settlement adjacent to the Town of Peace River was made of a parcel of land being acquired by the Provincial Parks Branch for the perpetuation of the McLeod Fort Historical Site.

Indian Stone Pile Historical Site - A survey of privately owned lands was made in the North East quarter of Section 3, Township 33, Range 21, West of the 4th Meridian, to acquire lands containing an Indian burial ground site. These lands are to be acquired by the Provincial Parks Branch for historical site perpetuation.

RESTORATION SURVEYS

Restoration surveys were carried out in the Edson-Hinton area. The survey party was in the field from May 28th to November

1st and during the season 330 miles of line were inspected, restored or resurveyed and 486 survey monuments were restored or re-established. Accounts in the amount of \$9,500.00 were submitted to the various parties adjudged responsible, for the survey monument damage, at the end of the fiscal year.

PLANS OF SURVEY

The number of plans submitted for checking in the Technical Division, while down from the previous year, indicate that there is a constant demand for crown lands for industrial development within the Province. Details of the plans examined are as follows:

- 208 - Pipe Line survey plans were checked
- 469 - Survey plans covering wellsites, battery sites, access roadways and flow line rights-of-way were received and filed.
- 65 - Plans covering power line rights-of-way were filed.
- 13 - Plans of survey covering canal rights-of-way and reservoir sites were placed in our records.
- 127 - Plans covering access roadways used by various Oil Companies in gaining access to their drilling operations were processed.
- 165 - Survey plans covering surveyed roadways affecting Crown lands were recorded.
- 67 - General survey plans were filed in this office.
- 58 - Subdivision and parcel plans were checked.
- 1 - Survey plan covering part of the Grimshaw-Great Slave Lake Railway right-of-way was placed in our records.

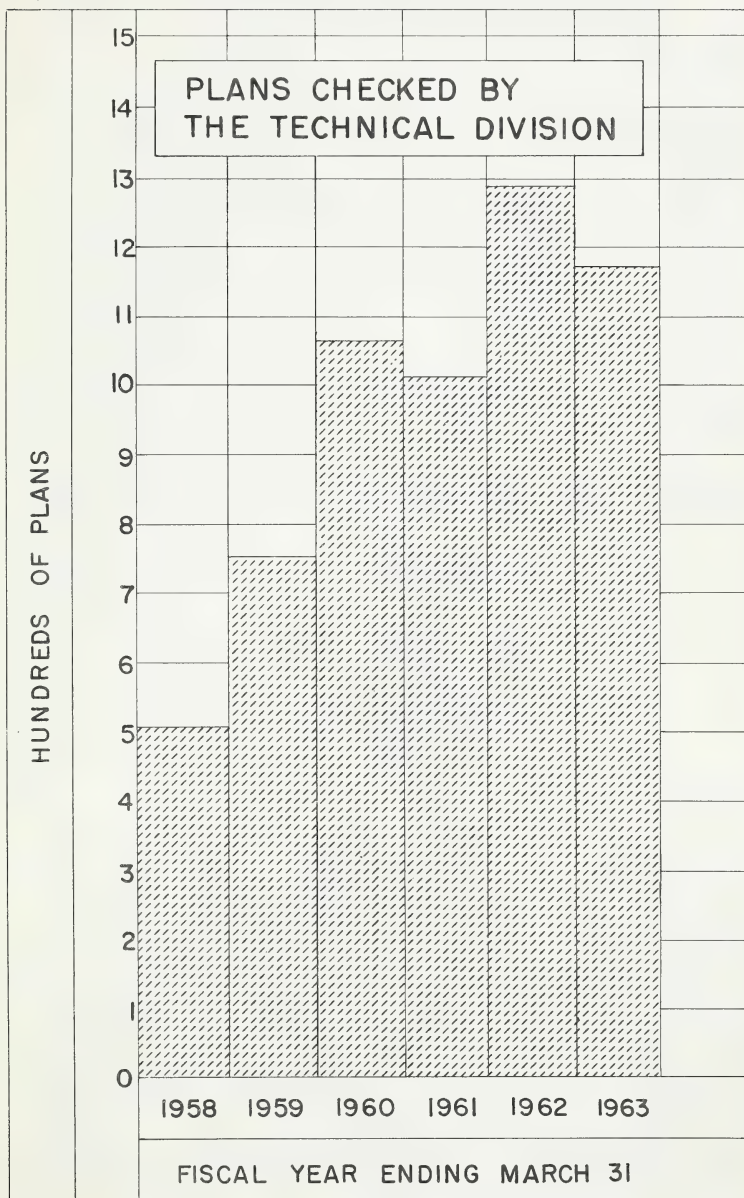
TITLES ACQUIRED IN THE NAME OF THE CROWN

Certificates of title in the name of the Crown were acquired during the year as follows:

Fifteen quarter sections acquired through exchanges of land. Eleven quarter sections acquired through purchases by the Department of Agriculture for inclusion in grazing reserves. Four quarter sections were acquired through transfer from the Department of Municipal Affairs for administration by this Department.

Three quarter sections were purchased from a municipal district.

Fifteen former school and church sites were acquired through transfer from the school division or church body in each case. Portions of thirteen quarter sections were purchased by Provincial Parks Board for additions to provincial parks and portions of two quarter sections were purchased by the board for historical sites.



In addition to the above, titles to six hundred and eight quarter sections were received here for lands which had been brought under the Land Titles Act by this office to facilitate the registration of mortgages against easements, pipe line agreements, board orders, etc. by pipe line companies and major utility companies.

AERIAL PHOTOGRAPHY

Aerial Photographs - A tremendous increase in the demand for aerial photographs was evident during the year due no doubt to the new photography available during the year. The Department entered into a joint aerial photography program with the Department of Municipal Affairs, the Water Resources Branch of the Department of Agriculture, and various counties, municipal districts and improvement districts in southern Alberta to obtain photography at a scale of 2640' to the inch for Departmental mapping purposes and for rural assessment work by the counties, municipal districts, etc. The majority of the area covered by the photography was a part of the Province for which only photographs taken in 1949 and 1950 were previously available. The Technical Division has retained all the negative films of this photography and are able to produce prints at cost for the government agencies co-operating. The production of contact prints from all aerial photography increased by some 33,000 prints over last year.

Photographic Enlargement - Photographic enlargements also reflected the increased use of aerial photography in that 1965 enlargements were produced, an increase of over 1200 from the previous fiscal year.

A brief resume of other activities with respect to photography follows:

diapositive plates (54 mm x 54 mm) produced - 94
diapositive plates (9 1/2" x 9 1/2") produced - 409
K 20 films processed - 11 (Forestry Branch)
K 20 films produced - 1,091 (Forestry Branch)
9 1/2" x 9 1/2" films processed - 5 (Forestry Branch)
9 1/2" x 9 1/2" prints produced - 1,065 (Forestry Branch)

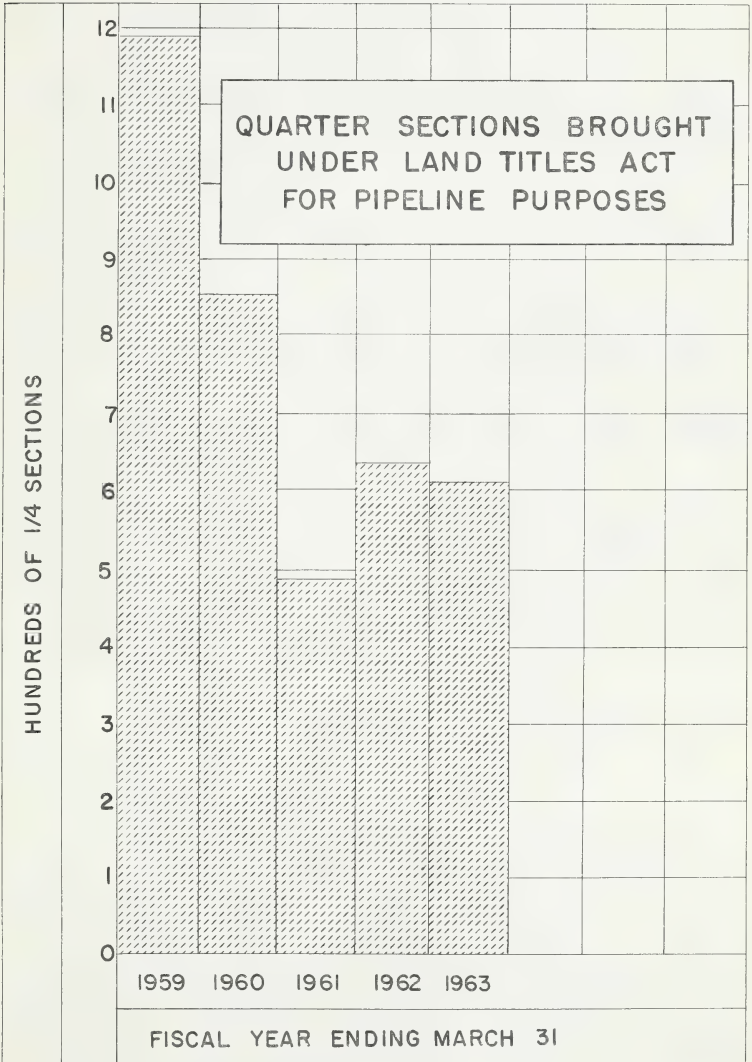
MAPPING

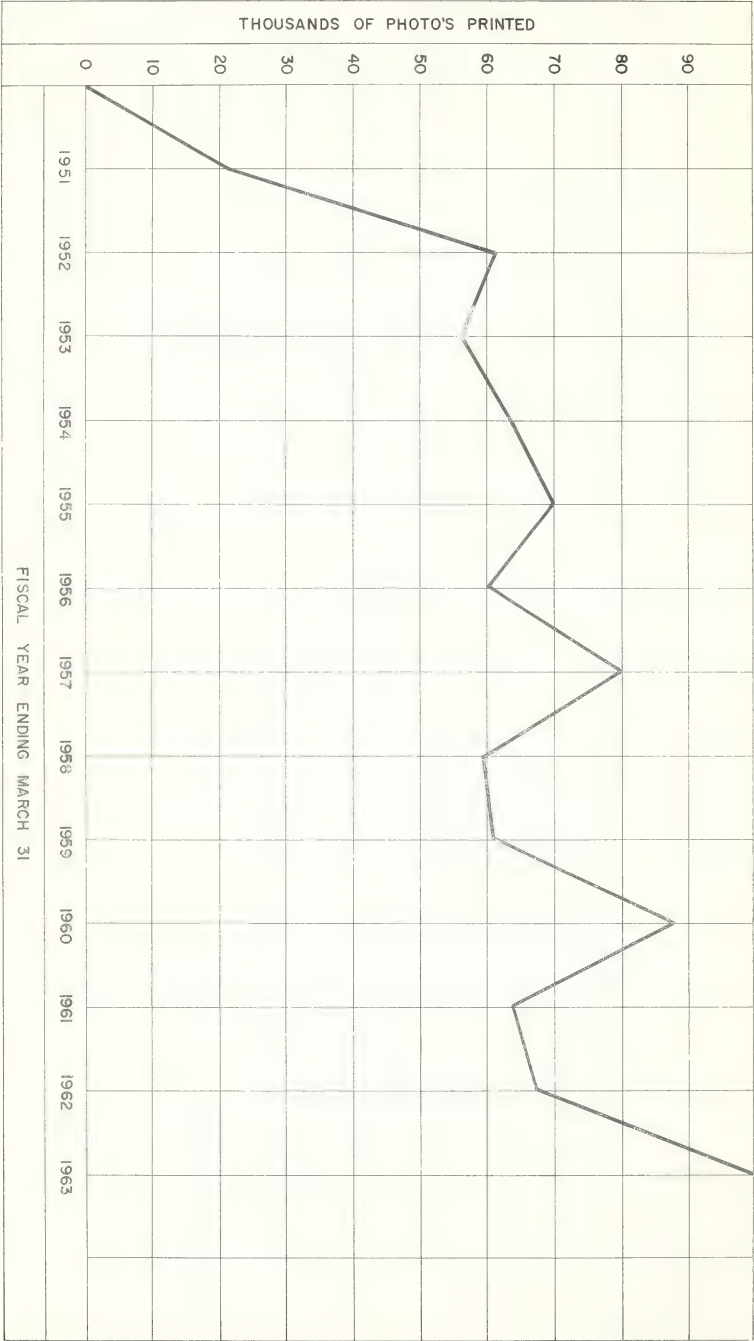
Contour Mapping - Requests for contour mapping continue to keep the Division's map plotting instruments operating at full production. It may be necessary, in the near future, to consider increasing the facilities available, particularly with respect to the demands for Highway and Town Planning projects.

Mosaics - 746 of the Department's 1" to 1 mile mosaics were printed for resale purposes. This is double the demand of the previous fiscal year and is no doubt due to the fact that the price of the mosaics was reduced during the fiscal year.

Flying Licences Issued - number of flying licences issued during the fiscal year - 41.

Special Order Mosaics Constructed - number of special order mosaics constructed during the fiscal year - 8.





16 mile Map - A new lithographed 16 mile map of Alberta was produced by reducing the plates of the 8 mile map compiled and printed in 1962. Also using the plates of the new 16 mile map, a base map was constructed for printing whenever necessary.

Settlement Map - A new settlement map was produced and 5000 copies printed for free distribution.

Forest Reserve Maps

Crowsnest Forest Reserve - The new map of the Crowsnest Forest Reserve was completed and printed in two separate editions. The one edition was printed with a brown contour elevation overlay illustrating 1000' elevation changes and the other edition was printed without the elevation overlay but showing all other information.

Bow River Forest Reserve - All scribe coat sheets were completed during the fiscal year with the exception of the contour elevation shading plates.

Clearwater Forest Reserve - The scribing of all plates was completed and the lettering overlays and contour shading plates are to be completed next year. It is planned to have both the new Bow River and Clearwater maps available prior to the 1963 hunting season.

Soil Survey Maps - 2 - Base maps were completed for the Research Council of Alberta of scribe coat film and these were turned over to the University Soil Survey Department.

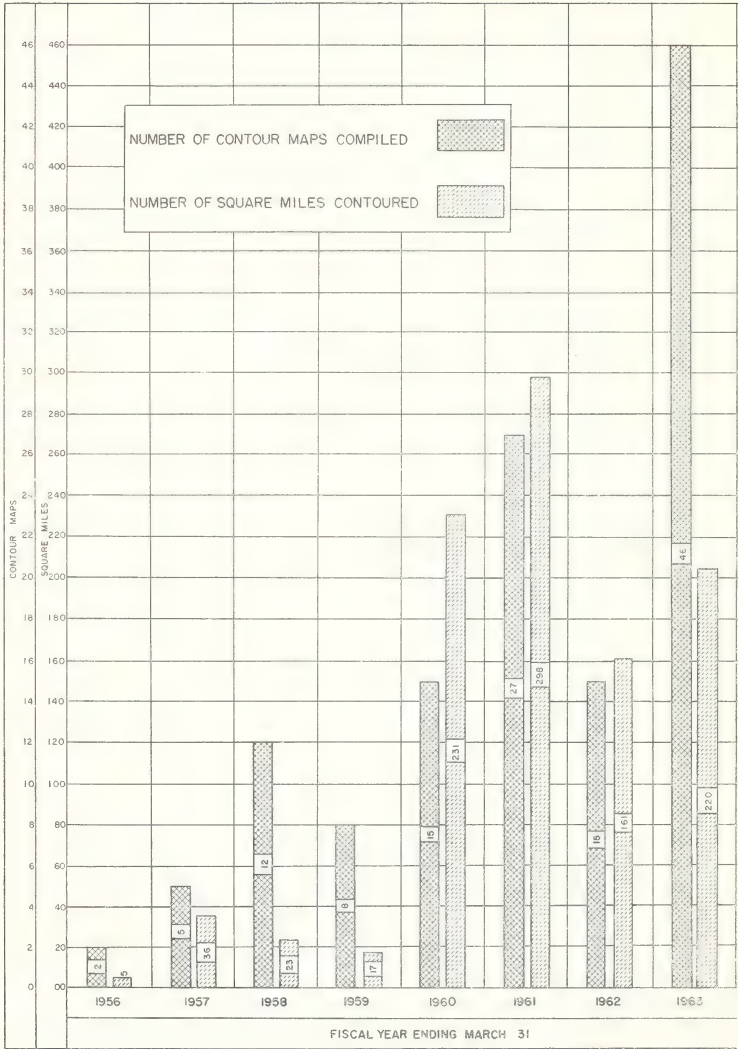
Planimetric Maps - Map sheets 83 M 1 to 16 were scribed and lithographed in color in the 1" to 1 mile series. Two hundred copies of each map were printed. The map sheets 83 N 1 to 16 were completely scribed and lettering overlays commenced. Maps will be ready for printing early in the 1963-64 fiscal year. Map sheets 82 H 1 to 16 are being sketched. The basic manuscript scale was redrawn at 1" = 2640' on the co-ordinatograph, for the 82 H sheets.

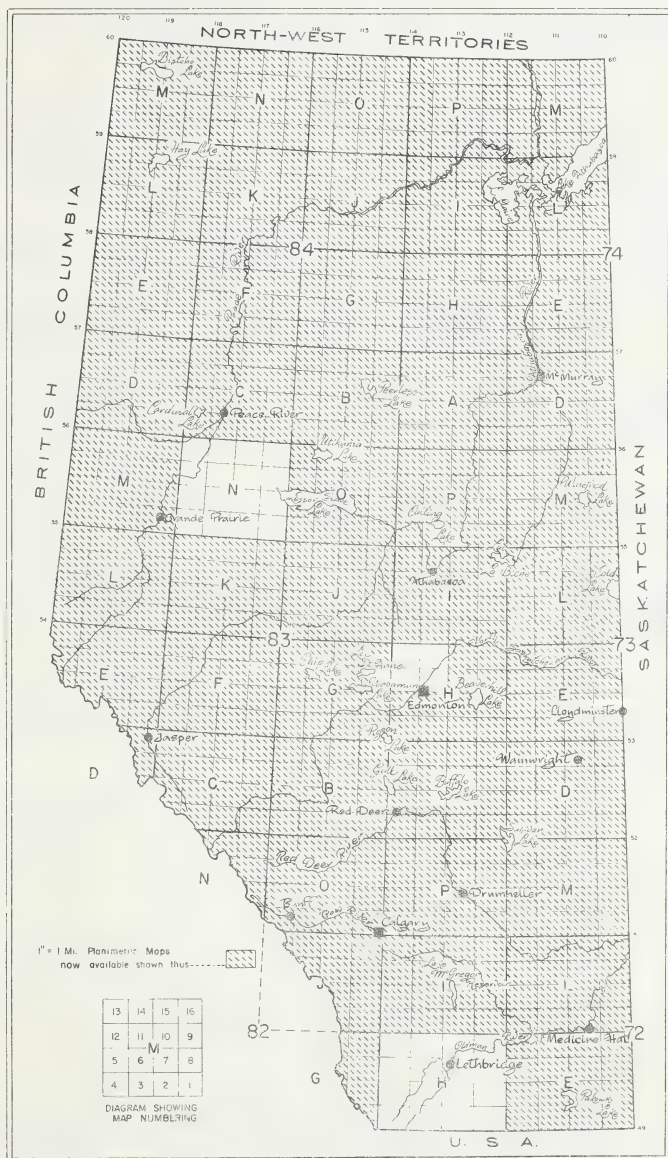
A number of miscellaneous drafting and art projects were undertaken for the Forestry Branch and the Publicity Officer by the Aerial Survey Section.

Aerial Photograph and Map Sales

Map sales for the fiscal year amounted to \$23,176.65. This is a decrease of approximately \$1,500.00 from the previous fiscal year. The sale of aerial photography amounted to \$43,944.76 an increase of \$16,780.00 over last year.

Mr. H. Soley, Director of Technical Division, since April 1st, 1957, retired in November of the fiscal year due to ill health. A major re-organization followed within the Division. The fact that the re-organization was accomplished with a minimum of confusion and conflict is a tribute to a very loyal and conscientious staff to whom I express herewith my appreciation.





ACCOUNTING DIVISION

Report of the Administrative Accountant

A. McCALLUM

The statements which form part of this report, reflect the collections and expenditure for the year ending March 31, 1963.

REVENUE

Gross receipts from all sources \$9,359,004.85, monies refunded \$1,174,589.16 leaving a total net revenue from all sources of \$8,184,415.69, a decrease from the previous year of \$264,258.73. (See statements A, B, C, & D)

Accounts Receivable stood at 27,608 accounts, not including Fish & Wildlife Vendors Accounts of approximately 2,519.

Cash entries for the year were 71,930 for which some 69,920 receipts and permits were issued.

The sale of Fish & Game Licences show a marked increase as follows:

	1962	1961
Fishing Licences	126,764	125,280
Game Licences	166,036	155,174

Revenue refunds from all sources totalled \$1,174,589.16. Included in this figure are refunds to the taxing authority as provided by The Grazing Lease Taxation Act, The Crown Cultivation Leases Act and The Tax Recovery Act, in the amount of \$733,783.68.

In accordance with the various agreements entered into between Canada and the Province, revenues were received as follows:

INCOME ACCOUNT

A. Forest Act Agreement	\$ 222,468.94
B. Primrose Lake Air Weapons Range	53,049.98
C. Habay Bridge	10,000.00

CAPITAL ACCOUNT

A. Forest Act Agreement	\$ 386,079.05
B. Camp Grounds and Picnic Sites Agreement	87,189.78

Funds held in Trust at March 31, 1963 totalled

\$610,795.80 made up of:

Miscellaneous Trust	\$ 45,526.82
Homesteader's Compensation Trust	44,496.04
Timber Deposit Trust	398,919.31
Timber Forfeited Monies Trust	3,236.09
Parks Board Trust	118,617.54

DISBURSEMENTS

Total disbursements for the year ending March 31, 1963 were \$10,239,995.62, being Income Account \$9,287,893.73 and Capital Account \$952,101.89.

Some of the highlights in disbursements for the year under review are as follows:

Maintenance costs of the Eastern Rockies Forest Conservation Agreement (including expenses of the Board	\$1,023,621.53
Firefighting Costs	207,497.56
Aircraft Costs	561,587.00
Radio Communications Costs	379,619.80
Forestry Training School operations	49,137.10
Fish and Wildlife Administration Costs	877,681.26
Destruction of Pests	2,471.55
Provincial Parks Maintenance and Administration (There was a further amount disbursed from the Provincial Parks Board Trust Account amounting to \$45,053.55)	816,720.86
Aerial Photography	22,637.56
Forest Access Roads	815,969.13
Camp Grounds and Picnic Sites Winter Works Program (For Further details see statements E & F)	113,495.20

Funds disbursed from Trust Accounts in the year ending March 31, 1963 are as follows:

Provincial Parks Trust Fund	\$ 45,053.55
Miscellaneous General Trust	1,148.05
Wildlife Damage Insurance Fund Trust	2,832.28
Timber Forfeited and Reforestation Trust	4,739.32

Continued expansion in all branches of the Department reflects increased personnel earnings' records for both salary and wage employees.

The spirit of cooperation and loyalty exhibited by all members of the staff is once again gratefully acknowledged.

INDEX OF STATEMENTS

- A. STATEMENT OF RECEIPTS FROM ALL SOURCES.
- B. STATEMENT OF RECEIPTS - INCOME ACCOUNT.
- C. STATEMENT OF RECEIPTS - CAPITAL ACCOUNT.
- D. STATEMENT OF RECEIPTS BY BRANCHES.
- E. STATEMENT OF EXPENDITURE FOR THE YEAR
ENDING MARCH 31, 1963.
- F. STATEMENT OF DISBURSEMENTS BY BRANCHES.

STATEMENT ASTATEMENT OF RECEIPTS FROM ALL SOURCESFROM APRIL 1, 1962 TO MARCH 31, 1963

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
	\$	\$	\$
Income Account	6,951,008.79	803,750.88	6,147,257.91
Capital Account	1,376,998.50	27,507.95	1,349,490.55
Reimbursement of Previous Year's Expenditure	10,288.16		10,288.16
Timber Deposits Trust	204,606.05	129,873.50	74,732.55
Homesteaders Compensation Trust	6,916.87	450.46	6,466.41
Homestead Lease Loan Trust	115,999.17	6,751.29	109,247.88
Parks Board Trust	48,010.51	346.52	47,663.99
Miscellaneous Trusts	30,335.44	9,490.62	20,844.82
Reforestation & Timber Forfeited Monies Trust			
Unapplied Receipts Carried Forward			
Improvements	14,574.36	8,192.56	6,381.80
Suspense	275,267.00	188,225.38	87,041.62
Public Lands Grazing Permits	50,000.00		50,000.00
Public Lands Grazing Lease Rentals	250,000.00		250,000.00
Public Lands Homestead Lease Crop Share	25,000.00		25,000.00
	\$9,359,004.85	\$1,174,589.16	\$8,184,415.69

STATEMENT B

STATEMENT OF RECEIPTS - INCOME ACCOUNT

FROM APRIL 1, 1962 TO MARCH 31, 1963

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
	\$	\$	\$
FISHERIES ACCOUNTS			
Fishing Licences	248,082.31	985.41	247,096.90
Fisheries Miscellaneous	4,126.74	1.00	4,125.74
Fisheries Royalties	15,496.11		15,496.11
	\$ 267,705.16	\$ 986.41	\$ 266,718.75
GAME ACCOUNTS			
Game Licences	807,439.55	158,835.95	648,603.60
Fur Tax	94,616.82	3,794.75	90,822.07
Game Branch Miscellaneous	5,350.70	.25	5,350.45
	\$ 907,407.07	\$ 162,630.95	\$ 744,776.12
LANDS & GRAZING			
Grazing Leases, Permits, Etc.	966,491.81	470,338.19	496,153.62
Hay Permits, Fees & Dues, Etc.	6,637.37	2,452.85	4,184.52
Homestead Leases, Crop Share, Etc.	207,579.14	115,459.00	92,120.14
Public Land Sales Interest	63,219.13	22.89	63,196.24
Cultivation Leases, Permits, Etc.	343,339.74	6,192.33	337,147.41
Right of Entry	423,430.63	19,974.32	403,456.31
Miscellaneous Leases	149,915.65	5,528.82	144,386.83
Public Land Sundry Revenue	67,580.87	5,001.73	62,579.14
Land Patent Miscellaneous	2,242.62	19.15	2,223.47
	\$ 2,230,436.96	\$ 624,989.28	\$ 1,605,447.68
TIMBER ACCOUNTS			
Timber Fees, Rental Dues, Etc.	\$ 2,510,933.98	\$ 6,604.80	\$ 2,504,329.18
EAST SLOPE SURFACE RIGHTS	\$ 484,101.83	\$ 4,556.07	\$ 479,545.76
MISCELLANEOUS			
Administration Sundry Revenue	132,096.88	2,797.62	129,299.26
Maps & Plans	23,357.10	180.45	23,176.65
Restoration of Survey Monuments	1,139.50		1,139.50
Sale of Aerial Photographic Survey Maps	44,046.06	101.30	43,944.76
Dominion-Provincial Agreement Re Forest Fire Protection	134,548.00		134,548.00
Dominion-Provincial Agreement Re Forest Inventory	82,915.65		82,915.65
Sale of Automobiles	771.16		771.16
Sale of Equipment	11,125.86	900.00	10,225.86
Sale of Materials & Supplies	87.00		87.00
Canada-Provincial Agreement Re Primrose Lake Air Weapons Range	53,049.98		53,049.98
Reimbursement of Salaries & Expenses	52,281.31	4.00	52,277.31
Dominion-Provincial Agreement Re Reforestation	5,005.29		5,005.29
Dominion of Canada-Reimbursement Re part cost Habay Bridge	10,000.00		10,000.00
	\$ 550,423.79	\$ 3,983.37	\$ 546,440.42
TOTAL INCOME ACCOUNT	\$ 6,951,008.79	\$ 803,750.88	\$ 6,147,257.91

STATEMENT CSTATEMENT OF RECEIPTS - CAPITAL ACCOUNTFROM APRIL 1, 1962 TO MARCH 31, 1963

	<u>GROSS RECEIPTS</u>	<u>REFUNDS</u>	<u>NET RECEIPTS</u>
	\$	\$	\$
Clearing & Breaking Projects			
Crop Share	30,427.44	198.37	30,229.07
Public Land Sales Principal	677,307.84	10,581.32	666,726.52
Homestead Sales Principal	195,994.39	16,728.26	179,266.13
Dominion-Provincial Agreement			
Re: Picnic Areas & Camp Grounds	87,189.78		87,189.78
Dominion-Provincial Agreement			
Re: Forest Access Roads	386,079.05		386,079.05
Total Capital Account	\$1,376,998.50	\$27,507.95	\$1,349,490.55

(Carried Forward to Statement A)

STATEMENT D

STATEMENT OF RECEIPTS BY BRANCHES

FROM APRIL 1, 1959 to MARCH 31, 1963

FISCAL YEAR ENDING

INCOME ACCOUNT	MARCH 31/60	MARCH 31/61	MARCH 31/62	MARCH 31/63
	\$	\$	\$	\$
Fisheries Branch	199,055.28	219,160.15	277,467.79	266,718.75
Game Branch	597,281.52	712,712.96	673,718.93	744,776.12
Lands and Grazing	1,190,968.11	1,156,937.23	1,405,712.10	1,605,447.68
Timber Branch	2,970,421.32	2,819,227.46	2,391,947.62	2,504,329.18
East Slope Surface Rights	554,373.61	447,373.94	413,956.58	479,545.76
Miscellaneous	412,034.08	459,691.73	469,525.47	546,440.42
School Lands	410,379.04	437,950.66	506,117.44	
CAPITAL ACCOUNT				
Land Sales Principal	154,996.70	146,089.86	187,509.71	666,726.52
Homestead Sales Principal	50,117.72	75,495.47	126,233.99	179,266.13
Clearing & Breaking Projects	26,844.80	31,821.56	60,935.66	30,229.07
Reimbursement by Dominion Gov't - Forest Inventory	35,213.50			
Reimbursement by Dominion Government - Picnic and Camp Grounds	77,340.56	110,353.59	147,180.43	87,189.78
Reimbursement by Dominion Government - Forest Access Roads and Trails	167,677.88		585,544.30	386,079.05
Transferred to Other Departments	3,761.32	4,736.51	1,828.28	10,288.16
Timber Deposit Trust	110,392.70	95,746.62	126,976.08	74,732.55
Homesteaders Compensation Trust	16,871.34	11,945.85	8,077.59	6,466.41
Homestead Lease Loan Trust	62,146.87	121,821.71	136,236.55	109,247.88
East Slope Road Tolls Trust	10,790.50	5,295.37		
Parks Board Trust	32,101.22	45,707.54	55,172.61	47,663.99
Miscellaneous Trust	10,650.00	16,027.32	17,898.97	20,844.82
Reforestation & Timber Forfeited Monies Trust	7,793.21	19,420.05	10,805.58	
Unapplied Receipts Carried Forward	503,052.04	516,033.70	454,097.88	418,423.42
School Land Trust Fund	334,181.02	446,226.04	391,730.86	
	\$7,938,444.34	\$7,899,775.32	\$8,448,674.42	\$8,184,415.69

GOVERNMENT OF THE PROVINCE OF ALBERTA
LANDS AND FORESTS DEPARTMENT
EXPENDITURE CLASSIFIED BY APPROPRIATIONS AND CHARACTER
For The Year Ended March 31, 1963
Income Account

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SERVICE	1801 Minister's Office	1802 General Administration	1803 Advisory Board and Committees	1804 Technical Division	1805 Registration Division	1815 Alberta Forest Service-Forest Administration Branch	1816 Alberta Forest Service-Forest Management Branch	1817 Alberta Forest Service-Rocky Mountains Forest Reserve	1819 Eastern Rockies Forest Conserva- tion Board	1821 Alberta Forest Service-Forest Protection Branch	1823 Forest and Prairie Fires Suppression	1824 Alberta Forest Service-Forest Surveys Branch	1825 Alberta Forest Service-Aircraft Operations	1826 Alberta Forest Service-Radio Branch	1828 Alberta Forest Service-Forest Training School	1835 Fish and Wildlife Division	1836 Destruction of Pests	1845 Lands Division	1846 Provincial Parks	Totals
Advertising	\$.....	\$.....	\$.....	\$.....	\$.....	\$ 2,009.76	\$ 4,111.14	\$ 242.30	\$.....	\$ 745.66	\$.....	\$.....	\$.....	\$.....	\$.....	\$.....	\$.....	\$ 4,086.26	\$ 271.29	\$ 11,466.41
Automobiles, trucks and mobile equipment, purchase	2,774.28	.....	....	6,033.40	126,844.06	....	185,451.26	....	4,443.19	63,172.48	.....	....	28,436.02	....	8,318.93	42,773.31	468,246.93
Automobiles, trucks and mobile equipment, expenses	121.24	1,095.66	96,890.90	416.26	242,436.99	7,757.00	3,570.98	27,170.46	386.71	....	4,925.31	....	1,388.14	34,385.87	420,545.72
Bounties for destruction of noxious weeds, animals and birds	1,175.00	....	150.00	1,325.00
Buildings and sites	2,840.00	.....	.....	.....	.....	.....	350.00	.....	464.00	497.60	4,151.60
Compensation	428.00	.....	1,694.69
Contracts and agreements	6,185.58	19,073.02	1,000.00	6,535.77	289.50	6,007.63	3,141.92	7,647.94	.....	2,252.55	.....	12,918.32	88,367.17	153,419.40
Fees and commissions	404.10	140.54	1,053.03	4,435.50	.....	.....	.....	.....	320.32	2,285.32	.....	468.43	2,066.59	11,173.83
Freight, express and cartage	665.75	.....	242.71	257.92	1,942.86	.....	36,639.05	.....	390.53	103.16	784.93	265.11	7,062.06	.....	1,557.51	1,090.14	51,001.73
Furnishings, equipment and tools	2,750.27	...	720.19	168.62	2,013.19	5,832.22	25,121.56	.....	58,054.09	.....	3,167.50	1,008.75	12,022.13	3,103.88	13,083.91	.....	3,475.79	38,354.55	168,876.65
Grants, prizes	450.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	145.20	38,449.30	38,899.30
Insurance	900.00	.....	12,385.65	2,371.98	.....	.....	.....	19,202.22	3,399.39	19,202.22
Materials and supplies, administrative	18,354.24	...	46,171.59	6,109.57	6,429.45	27,590.81	27,071.54	1,344.06	95,717.03	21,958.01	29,429.04	2,624.87	4,088.77	9,784.05	60,643.76	567.03	36,044.80	22,152.49	416,081.11
Materials and supplies, construction	1,365.53	.....	448.30	3,514.10	51,977.66	1,339.40	257,008.78	783.61	1,835.98	6,299.43	11,414.41	463.69	9,738.76	.....	13,305.41	93,946.61	453,441.67
Miscellaneous expenses	189.23	92.24	60.00	94.03	199.06	63.64	116.27	.....	75.56	22.64	91.47	57.85	113.38	68.29	297.86	376.87	66.12	47.41	87.22	2,119.14
Pensions	321.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	321.30
Postage	6,811.96	.....	812.77	.....	2,412.39	.....	918.80	100.75	3,999.53	.....	.....	.....	.....	284.88	4,137.41	.....	8,553.89	802.54	28,834.92
Rentals	21,212.05	.....	.....	42,340.63	55,592.05	231.00	109,999.49	125,659.92	554.50	439,994.00	240,593.55	158.27	16,334.89	.....	4,179.28	53,102.22	1,109,951.85
Repair and maintenance of furnishings, equipment and tools	615.60	.....	.....	640.41	5,223.71	116.30	19,755.53	.....	249.14	.....	4,936.06	.....	1,638.62	.....	267.20	2,192.61	35,635.18
Repair and maintenance of office machines	4,942.24	...	272.71	612.10	324.96	506.61	382.99	.....	1,513.86	.....	711.45	.....	240.04	.....	814.62	.....	2,446.06	107.12	12,874.76
Salaries	15,740.00	272,355.92	...	234,908.40	113,238.79	50,426.48	162,712.56	385,618.98	.....	1,283,056.95	.....	179,704.00	.....	54,052.40	22,814.87	479,318.38	.....	420,021.19	100,077.53	3,774,046.45
Taxes	138,646.32	.....	138,646.32
Telephone and telegraph	264.20	692.35	.....	194.61	.....	655.69	1,514.36	1,534.10	277.15	15,797.46	.....	243.72	108.08	33,121.58	496.18	12,454.24	.....	3,749.47	6,420.95	77,524.14
Transportation	408.30	.....	.....	309.20	1,421.35	.....	.....	.....	.....	.....	.....	.....	.....	2,138.85
Travelling expenses of other than public servants	277.20	.....	2,827.16	1,007.55	246.85	.....	.....	.....	.....	.....	.....	.....	.....	4,358.76
Travelling expenses of public servants	1,389.57	1,857.56	128.56	10,326.91	452.41	1,354.46	25,293.17	18,812.71	1,020.46	174,665.88	3,273.11	10,602.47	.....	40.88	3,514.02	4,583.31	.....	47,093.11	15,007.68	507,797.72
Unemployment insurance, government portion	166.24	.....	.....	962.62	1,748.82	.....	5,285.42	.....	307.74	.....	.....	.....	129.26	.....	136.00	2,118.16	10,854.26
Utilities	207.51	10,679.65	.....	59,222.94	.....	288.68	.....	847.42	.....	2,701.84	.....	1,485.06	14,496.34	89,929.44
Wages	25.09	...	24,044.21	.....	10,129.50	135,789.14	139,910.76	43,772.09	464,605.09	45,116.74	74,337.50	6,699.94	3,529.37	6,564.68	42,057.59	663.40	20,194.86	256,404.18	1,273,844.14
TOTAL: Income Account	\$ 17,583.00	\$307,881.87	\$188.56	\$344,344.87	\$120,780.55	\$ 77,081.77	\$25,793.71	\$969,727.01	\$53,894.52	\$3,029,105.67	\$207,497.56	\$317,168.59	\$562,863.00	\$379,619.80	\$49,137.10	\$77,122.86	\$2,471.55	\$729,420.64	\$816,720.86	\$ 9,288,403.49

CAPITAL ACCOUNT

SERVICE	1881 Aerial Photography and Forest Inventory	1882 Forestry Dominion- Provincial Access Roads - Agreement	S.W.s 7 & 10/62-63 Winter Works program in connection with the construction of camp grounds and picnic sites	Totals
Advertising	\$.....	\$ 359.47	\$.....	\$ 359.47
Automobiles, trucks and mobile equipment, purchase	.....	.....	13,973.85	13,973.85
Automobiles, trucks and mobile equipment, expenses	.....	979.42	.....	979.42
Contracts and Agreements	22,238.56	113,243.86	53,453.53	188,935.95
Furnishings, equipment and tools	.....	.....	656.78	656.78
Materials and supplies, administrative	.....	11,868.82	1,404.58	13,273.40
Materials and supplies, construction	.....	101,083.15	15,438.92	116,522.07
Miscellaneous expenses	.....	138.70	135.69	274.39
Rentals	399.00	497,785.83	4,541.13	502,725.96
Repair and maintenance of furnishings, equipment and tools	.....	199.31	.....	199.31
Transportation	.....	136.89	.....	136.89
Travelling expenses of other than public servants	.....	249.10	.....	249.10
Unemployment insurance, government portion	.....	696.55	221.28	917.83
Utilities	.....	284.48	118.30	402.78
Wages	.....	88,943.55	23,551.14	112,494.69
TOTAL: Capital Account	\$22,637.56	\$815,969.13	\$113,495.20	\$ 952,101.89

STATEMENT F

STATEMENT OF DISBURSEMENTS BY BRANCHES

FROM APRIL 1, 1958 TO MARCH 31, 1963

FISCAL YEAR ENDING

INCOME		FISCAL YEAR ENDING					Mar. 31/62	Mar. 31/63
		Mar. 31/59	Mar. 31/60	Mar. 31/61	Mar. 31/62	Mar. 31/63		
		\$	\$	\$	\$	\$		
1801	Minister's Office	16,230.52	18,956.45	17,615.97	19,197.74	17,583.00		
1802	General Administration	214,224.29	230,605.60	275,253.87	280,458.31	307,881.87		
1803	Advisory Board & Committees	1,102.57	1,148.12	1,050.00	657.55	188.56		
1804	Technical Division	300,769.68	320,492.32	352,624.14	347,265.64	344,344.87		
1805	Registration Division	92,889.76	102,959.07	119,072.43	124,904.81	120,780.55		
1806	Postage	19,328.37	20,703.29					
1815	Alberta Forest Service - Forest Administration Branch		54,213.85	104,568.16	89,797.21	77,162.24		
1816	Alberta Forest Service - Forest Management Branch		256,331.29	283,231.44	374,174.03	425,793.71		
1817	Alberta Forest Service - Rocky Mountains Forest Reserve	624,732.32	769,221.17	865,920.77	958,053.13	969,727.01		
1819	Eastern Rockies Forest Conservation Board				45,337.92	53,894.52		
1821	Alberta Forest Service - Forest Protection Branch	2,405,548.49	2,882,547.28	3,118,102.10	2,868,119.57	3,029,233.04		
1823	Forest & Prairie Fires Suppression	1,499,336.70	1,234,405.09	326,516.00	2,452,000.08	207,497.56		
1824	Alberta Forest Service - Forest Surveys Branch	242,468.70	275,526.53	304,519.52	289,836.88	317,168.59		
1825	Alberta Forest Service - Aircraft Operations	192,506.87	217,817.06	341,489.57	272,599.74	561,587.00		
1826	Alberta Forest Service - Radio Branch	256,898.50	369,307.53	352,573.59	339,858.67	379,619.80		
1828	Alberta Forest Service - Forestry Training School	13,352.16	26,730.48	31,520.27	42,893.21	49,137.10		
1835	Fish & Wildlife Division	568,302.88	536,644.36	642,413.98	643,355.55	877,681.26		
1836	Destruction of Pests	18,907.05	6,103.63	9,836.73	8,689.78	2,471.55		
1837	Commercial Fisheries		150,886.65	163,822.45	156,232.93			
1845	Lands Division	530,483.17	565,710.99	646,629.45	671,787.16	729,420.64		
1846	Provincial Parks	360,865.21	419,107.04	646,322.00	648,881.10	816,720.86		
	Printing, Stationery & Office Supplies (1920)	51,381.07	54,416.73		(Amalgamated with 1802)			
	SW 11 & 33/58-59 Payment of wages of former coal miners employed by the Eastern Rockies Forest Conservation Board.	39,991.09						

INCOME (continued)

	Mar. 31/59	Mar. 31/60	Mar. 31/61	Mar. 31/62	Mar. 31/63
	\$	\$	\$	\$	\$
SW 69/58-59 Payment to settlers of the Wanham Project	14,935.43				
SW 5/59-60 Relief of settlers on the Wanham Project		9,332.42			
SW 48/59-60 Contract for raising the ground level of Sylvan Lake Provincial Park		8,424.81			
SW 27/60-61 Watershed Research Activities of the Eastern Rockies Forest Conservation Board			184.30		
1847 Payment to the Canmore Golf Association - SW 6/61-62				3,800.00	
Total Income Account	\$7,464,254.83	\$8,531,591.76	\$8,603,266.74	\$10,637,901.01	\$9,287,893.73

CAPITAL

	Mar. 31/59	Mar. 31/60	Mar. 31/61	Mar. 31/62	Mar. 31/63
	(Amalgamated with 1923 Income)				
1881 Aerial Photography & Forest Inventory Aircraft Patrol (1983)	70,427.01		14,296.01	27,748.61	22,637.56
SW 2/58-59 Construction of Forest Access Roads and Trails	89,997.84				
SW 3/58-59 Development of tourist industry by implementing a program whereby sites will be cleared and picnic shelters built in Provincial Parks	23,981.39				
SW 62/58-59 Winter works programs for the building of Access Roads and Trails in the forested areas of the Province	178,813.85				
SW 63/58-59 Construction of camp grounds and picnic sites in Provincial Parks and the Eastern Rockies Forest Conservation Area	81,509.73				
SW 3 & 12/59-60 Completion of current winter works program for construction of camp grounds and picnic areas in Provincial Parks and Eastern Rockies Forest Conservation Area		68,084.79			
SW 4, 11, 13 & 45/59-60 Continuation of winter works program for the building of Access Roads and Trails in forested areas of the Province		90,496.16			

CAPITAL (continued)

	Mar. 31/59	Mar. 31/60	Mar. 31/61	Mar. 31/62	Mar. 31/63
	\$	\$	\$	\$	\$
SW 8/59-60 Payment to the Government of Canada in connection with administration and control of lands					
SW 13 & 34/59-60 Completion of a bridge over the McLeod River and construction of a road from Nordegg North to Brazeau River		33,642.42			
SW 39/59-60 Payment to the Government of Canada in consideration for lands and improvements thereon transferred to the Province of Alberta		57,801.51			
SW 53/59-60 Camp grounds and picnic sites in Provincial Parks, the Northern Alberta Forest Area and the Eastern Rockies Forest Conservation Area		1,278.00			
SW 2, 12 & 51/60-61 To complete current winter work unemployment program undertaken by the Gov'ts. of Alberta and Canada for construction of camp grounds and picnic sites in Provincial Parks and Eastern Rockies Forest Conservation Area		113,617.15			
SW 45/60-61 Purchase of lands from the Canadian National Railways			239,772.31		
SW 50, & 76/60-61 Building of Access Roads and Trails in forested areas of the Province to assist in relieving winter unemployment			11,419.75		
SW 60/60-61 To purchase land which is adjacent to the Slave Lake Airstrip of the Forests Division of the Department of Lands and Forests, offered for sale by the Crown Assets Disposal Corporation			318,177.77		
1882 Forestry Dominion - Provincial Access Roads Agreement & SW 47, 55/61-62				2,674.50	
1883 Construction of camp grounds & picnic sites in Provincial Parks - SW 2, 54/61-62				998,154.64	815,969.13
1884 Purchase of land from Bar N Bar Ranching Company for community pasture SW 65/61-62				259,178.76	113,495.20
				185,000.00	
Total Capital Account	\$444,729.82	\$364,920.03	\$586,340.34	\$1,470,082.01	\$952,101.89

REGISTRATION DIVISION

Report of the Registrar

C. B. KENWAY

The past year has been the busiest in the last twelve years, comparable in many ways to the years 1943 and 1949. Nevertheless, the staff has, with few exceptions, kept up their enviable record of today's work today. Their efforts have not gone unnoticed, and many expressions of appreciation have been received from those who have benefitted.

This year's report is in tabular form, and as it is the intention to present future reports in this manner, an explanation probably is in order on the material included in the table. Firstly, much of the work of the division is presented in the reports of the other branches, such as permits, leases and licences applied for, issued, in force and cancelled etc. And secondly, the division is organized on functional rather than a sectional basis, providing a greater flexibility in operations, less training time, and more suitable for large volumes of work. Thus, the table is a presentation of work load and a summation of the work done for the various branches. It becomes more significant when one knows the work being done at the different work stations and the number of persons at those stations.

Work Stations	Yearly Total	Daily Average	Increase (+) or Decrease (-) from previous Year	Minimum and Maximum Per Day
1. Mail Cage	(No.)	(No.)	(%)	(No.)
Incoming mail (pieces)	170,826	683	+ 13.2	—
Outgoing mail (pieces)	277,439	1110	+ 3.4	—
Total (pieces)	488,265	1793	+ 6.9	—
Incoming registered (pieces)	4,521	18	- 6.7	—
Outgoing registered (pieces)	6,945	28	- 2.1	—
Total (pieces)	11,466	46	- 3.9	—
Cash blotter entries	38,557	154	—	—
Interim receipts issued	4,880	20	—	—
Total	43,437	174	+ 2.3	—
Cash received (mail)	\$8,242,283.78	\$32,969	—	—
Cash received (counter)	1,116,721.07	4,467	—	—
Total	\$9,359,004.85	\$37,436	- 1.2	—
2. Filing				
Files (live, storage, micro-film) (Grand Total)	500,000+	—	—	—
Files out	—	9,000	—	7500 - 12000
Check-out Station (files)	—	1500-5000	—	—
Telephone requests	—	100 - 200	—	—
File girls travel (each-miles)	—	6 - 8	—	—
Attachments	—	400	—	—
Search list (items)	—	150 - 300	—	—
3. Filing Records				
Files opened	8,287	33	- 0.6	—
Files closed	7,401	30	+ 11.7	—
Kardex entries	34,492	138	+ 30.6	—
Files processed	104,365	417	+ 38.4	—
4. Microfilming				
Rolls film exposed	Nil	—	—	—
Rolls film checked	3,481	14	—	—
5. Records				
Files received	—	400	—	275 - 800
Land searches (internal)	25,000+	100	—	—
Land searches (commercial)	1,162	5	—	—
Registers transcribed (Ott.)	3	—	—	—
Register pages transcribed	158	0.6	—	—
Basic entries	8,227	33	- 3.2	—
6. Surface rights plotting (SRTC)				
Sections opened (Grand Total)	1,895	—	—	—
Files rec'd distribution	3,531	14	—	0 - 70
Miscellaneous				
Filing errors	-	less than 0.25%		
Absence rate	-	3.6% / person / month		
Overtime	-	Nil		

The above figures are either actual or derived from spot checks taken throughout the year.

OFFICE OF S1 STATIONERY AND SUPPLIES

Statistics for the Office of Stationery and Supplies

Mail and Express'	1961-62	1962-63
Express parcels	543	575
Registered mail	5,221	5,281
Parcels mailed	3,620	4,074
Pamphlets	5,884	6,179
Parcels by bus	32	41
Magazines	39,100	53,444
Letters	129	151
Parcels by messenger	329	357

Printing volume for the past two years is compared below:

	1961-62	1962-63
No. of masters cut	2,564	3,692
No. of sheets run off	954,373	976,066
Printing material transmitted to the Queen's Printer through this office (forms, etc.)	6,323,190	8,411,005

The following game tags, regulations and licences were forwarded from this office during the past year:

	1961-62	1962-63
Big game licences and regulations	78,205	85,903
Big game tags	78,205	93,748
Bird game licences and regulations	138,500	194,248
Angling permits and regulations	173,900	174,140

Report of the Personnel Officer

R. J. CLARK

The personnel program which was initiated early in 1961 is deeply entrenched and from the results to date, it would appear that progress towards a modern personnel administration program in the department has been achieved.

Recruitment and Selection: (New Staff)

With the assistance of our central personnel office, delay in selecting new employees has been reduced to a minimum. Wider distribution of posters, examinations, and personal interviews have resulted in a much better selection of staff for all Branches of the department.

Promotion:

Promotions are made from within the department if at all possible. Selections in promotional competitions are based on merit which for this purpose is a combination of education, experience (Government and Outsiders), personal suitability and potential for the position for the position in question.

Training:

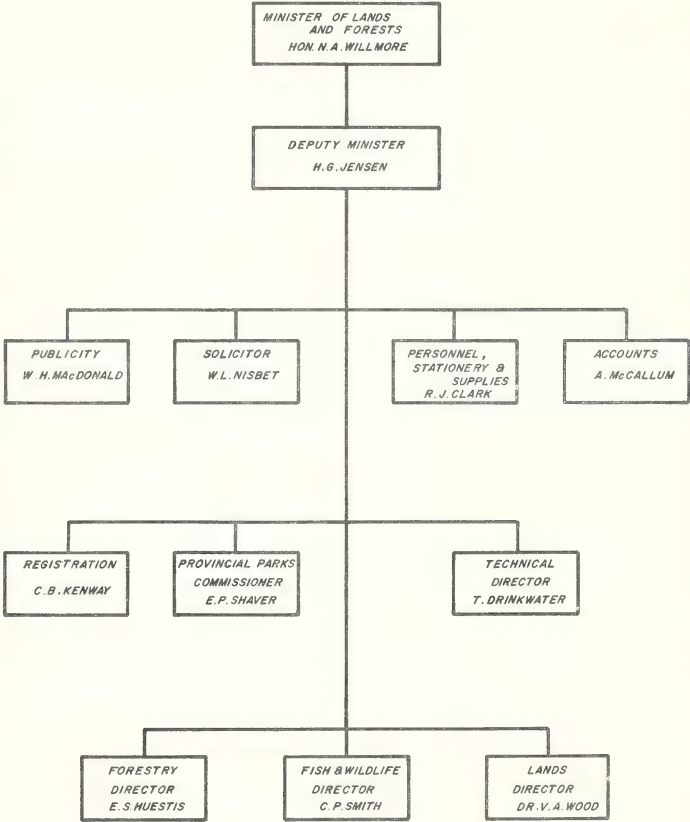
Although the original supervisory training course has not been followed up with subsequent courses, this is expected to get underway in the future. Since many employees work in isolated areas, a correspondence course has been developed for field staff. This course will cover certain phases of administration and was essentially developed to train supervisors and potential supervisors in modern management, supervision and administration. Employees successfully completing his course will receive a diploma. The course will be initiated in the fall of 1963.

Position Reviews:

Numerous position reviews have been made over the past year and it is expected that these will continue to be made from time to time.

1962

DEPARTMENT OF LANDS & FORESTS



TOTAL PERSONNEL - 999

